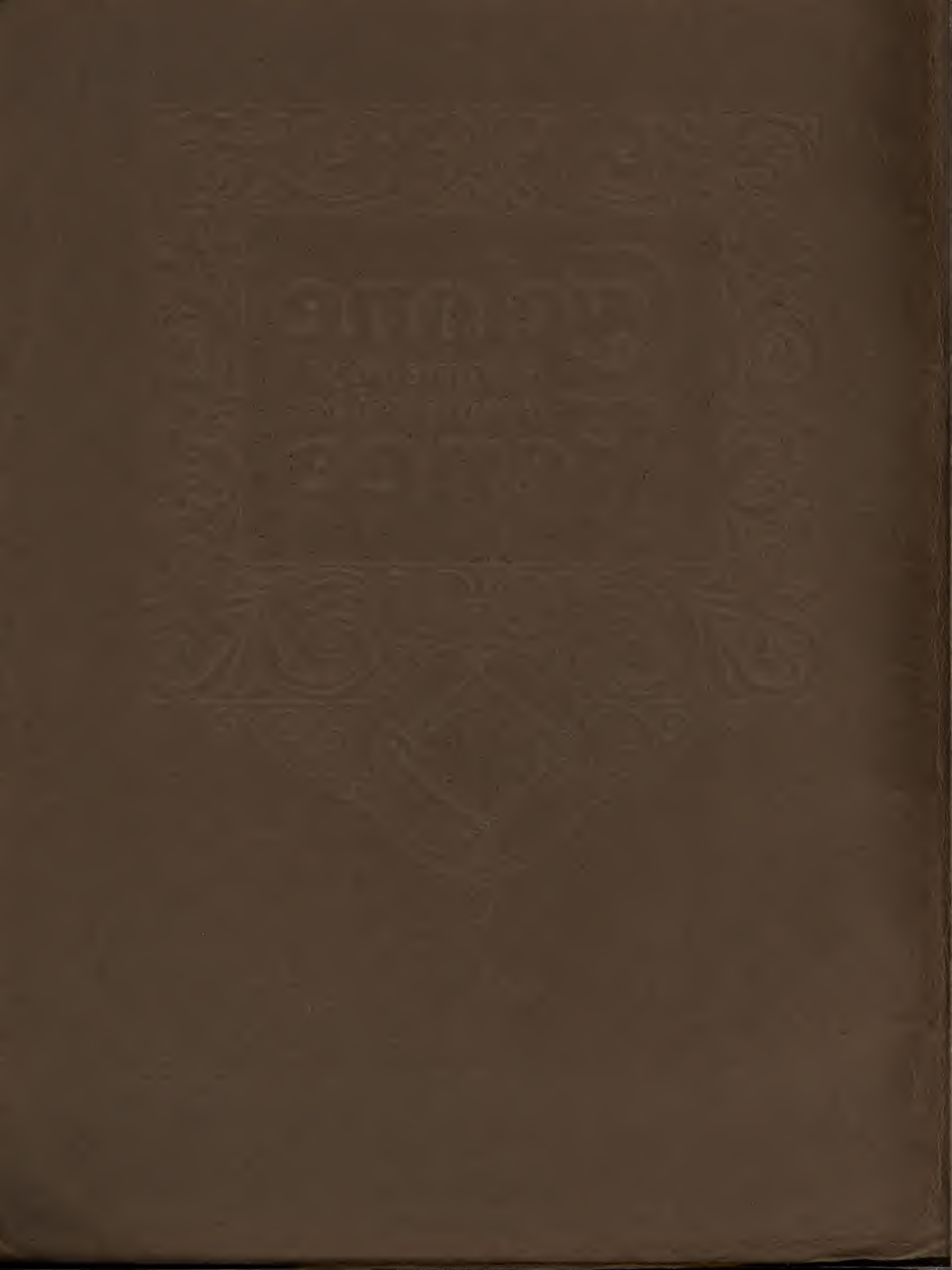


Cyclone

Property
Protection

Fence





General Catalog No. 100

(Revised Jan. 1, 1929)

Cyclone Property Protection Fence

Section One
Industrial Property

Section Two
Municipal Property

Section Three
Country Estates
and Homes,
Residences, etc.

The Mark
of Quality



Fence and
Service

CYCLONE FENCE COMPANY

Subsidiary of U. S. Steel Corporation

GENERAL OFFICES — WAUKEGAN, ILL.

FACTORIES AND OFFICES—NORTH CHICAGO, ILL., WAUKEGAN, ILL., CLEVELAND, OHIO,
NEWARK, N. J., FORT WORTH, TEXAS, GREENSBURG, IND., TECUMSEH, MICH.

Pacific Coast Division

STANDARD FENCE COMPANY

LOS ANGELES, SAN FRANCISCO, OAKLAND, CALIF.,
PORTLAND, ORE., SEATTLE, WASH.

EIGHT MODERN FACTORIES FOURTEEN FULLY STOCKED WAREHOUSES

The various plants and warehouses operated by the Cyclone Fence Company and located strategically across the continent, not only afford fence service that is quickly available anywhere, but place the production of fence on a volume basis. The saving and economy in manufacturing thus

effected make possible the superior quality of Cyclone Fence and Service.

These, together with sales offices and representatives throughout the country, insure Cyclone customers Fence Service that is complete, prompt and reliable.



WAREHOUSES:

Mineola, N. Y., Syracuse, N. Y., Philadelphia, Pa., Detroit, Mich., Buffalo, N. Y., Toledo, Ohio, Pittsburgh, Pa.,
St. Louis, Mo., Houston, Texas, Los Angeles, Calif., San Francisco, Calif.,
Seattle, Wash., Mt. Vernon, N. C., Dallas, Texas.

Cyclone Property Protection Fence

*for industrial property
of all kinds, textile mills,
oil property, central
and transformer stations,
railroads; also wrought
iron fence and gates;
woven wire partitions,
window guards, etc. . .
for industrial property*

Section One

SEC. ONE
Industrial
Property

SEC. TWO
Municipal
Property

SEC. THREE
Estates
& Homes

SEC. FOUR
SPECIFICATIONS

Complete Responsibility

Cyclone Nationwide Fencing Service

THE Cyclone Fence Company is a national organization, the largest in the world devoted to the manufacture of Property Protection Fencing and Gates.

While building Property Protection Fence of outstanding superiority, the Cyclone Fence Company has developed a fencing service that is unique — complete to the minutest detail. It is the most highly specialized service the fence industry has known. It is designed to relieve fence purchasers of every detail when enclosing their properties with Cyclone Fence. It guarantees complete satisfaction to the customer.

Years ago the Cyclone Fence Company recognized the importance of assuming complete responsibility for the manufacture and installation of Cyclone Fence. The policies and practices of Cyclone, pioneer fence manufacturers, are the result of years of study and experience. They have been adopted because they insure fence buyers the most complete satisfaction.

Responsibility for Every Detail

From the time your order is placed until fence is erected, this company assumes complete responsibility for every detail in the manufacture and installation of Cyclone Fence.

The Cyclone Fence Company controls the quality of its product from the ore to the finished job. The highest grade materials especially suited to each purpose are selected for use in Cyclone Fence.

Furthermore, Cyclone engineers design and specify fencing best suited to customer's requirements; then carry out the work of construction to the erection of the fence complete. Thus the quality of material and excellence of workmanship are under Cyclone control from the time the ore is mined until the fence is completely built. No part of the work is sublet to others. In no other way could the Cyclone Fence Company assume full responsibility, and therefore, completely satisfy its customers.

Engineering Counsel

Cyclone engineers take an active part in planning your fencing. They will make a complete study of your fence requirements; submit estimate of cost; solve problems of adjusting fence to irregular property lines; of placing fence along embankments, grades, etc.; assist in locating; also in selecting the correct type of gates for driveways and walks.

In fact, Cyclone engineers give close personal attention to every detail, to the end that you will be assured complete satisfaction with Cyclone Fence.

Cyclone Erection Crews

There are more than 100 erection crews constantly at work installing Cyclone Fence. One of these crews is available for your installation and will handle the work quickly, correctly and economically.

However, if you prefer to have your own workmen install the fence, a Cyclone erection superintendent will be furnished at nominal charge, to direct them. This also insures a prompt and correct fence installation.

National Leadership

Cyclone engineers have been ever alert to improve Cyclone Fence. Wherever science or ingenuity have found improvements possible, these improvements have been made. Nothing has been spared. No obstacle was considered too great.

The result of this progressive spirit in the Cyclone organization is that the Cyclone Fence Company has been responsible for every major improvement in fence in recent years.

Today, Cyclone stands out as the unquestioned leader in product and service in the fence industry.



Cyclone "Galv-After" Chain Link Fabric made of **Copper-Bearing Wire** on **Copper-Bearing Steel Framework**

THE Cyclone Fence Company was the first to make Chain Link Fence Fabric, Galvanized After Weaving, a commercially practical product—an achievement that revolutionized the fence industry. And now in keeping with its progressive policy of maintaining leadership in the manufacture of fence, the Cyclone Fence Company has taken another big step forward in offering fence with All Framework and Chain Link Fabric made of COPPER-BEARING steel.

Everyone knows copper is the metal eternal. The adoption of Copper-Bearing steel by the Cyclone Fence Company is the result of tests of various kinds of steel, as to their ability to resist corrosion. The tests were conducted in different localities under widely varying atmospheric conditions and prove conclusively that Copper-Bearing steel is far superior to non-copper bearing steel in its rust resisting quality.

Like "Galv-After" Chain Link Fabric, the Copper-Bearing steel framework now used in Cyclone Fence is Hot-Dipped Galvanized.

This makes possible a double protection against corrosion and affords a complete fence that comes nearest to being an All Rust Proof fence of any fence on the market. The posts, braces, top rail, extension arms, chain link fabric; even the barb wires are made of Copper-Bearing steel, Heavily Hot-Dipped Galvanized. Thus, the complete fence will defy the elements for generations.

Consider this point carefully when purchasing fence. Do not be misled. Quality must be put into fence materials at the very beginning; if not, the penalty is high upkeep expense. Install Cyclone Fence at a fair first cost and enjoy permanent, satisfactory, economical fence service throughout the years.

Be guided by the recommendation of metal experts, also the endorsement of the majority of fence buyers. Be sure you have done all possible to provide enduring fence protection for your property.

Specify Cyclone "Galv-After" Chain Link Fence with Copper-Bearing Steel Framework.

Standard Property Protection for

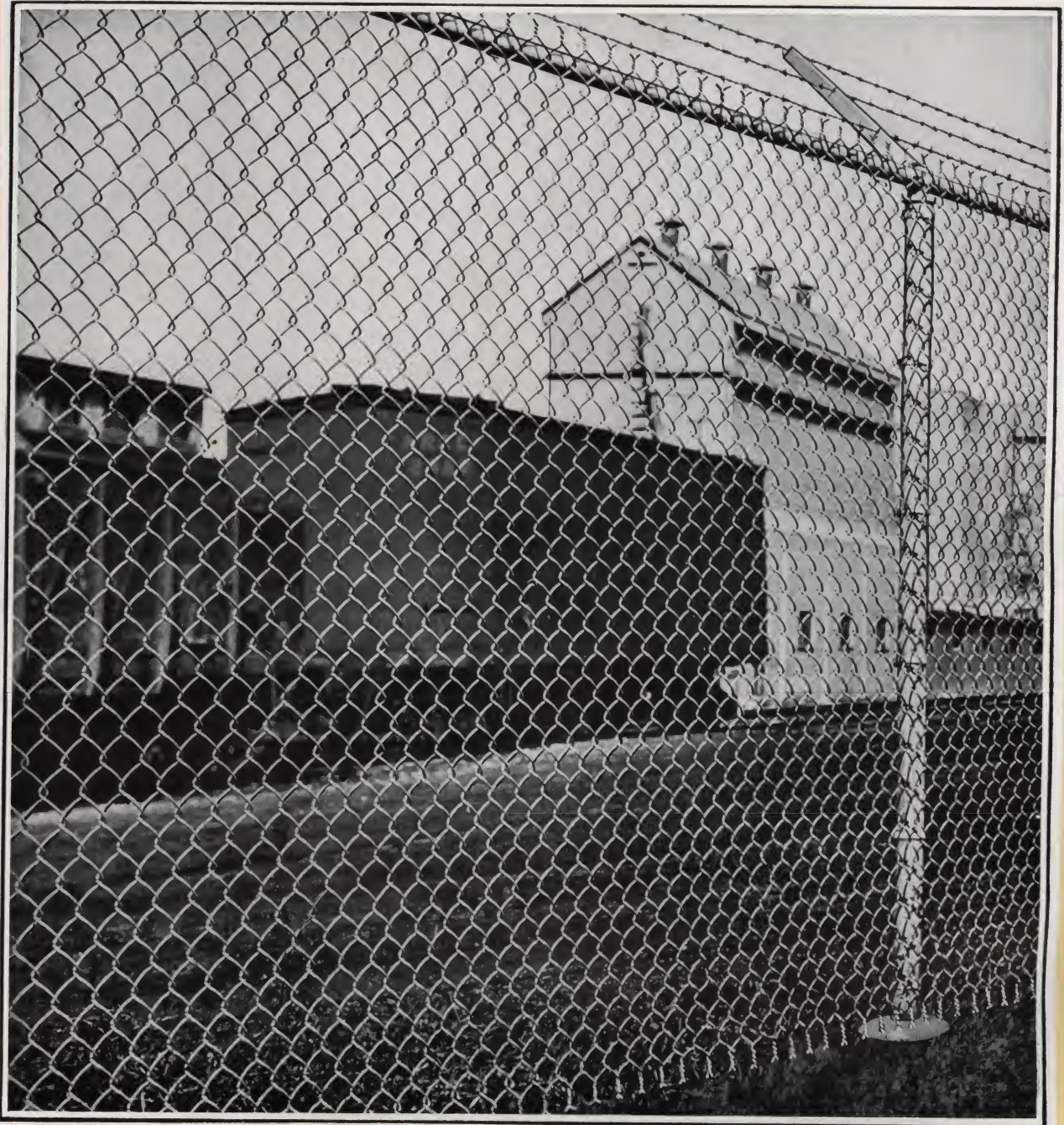
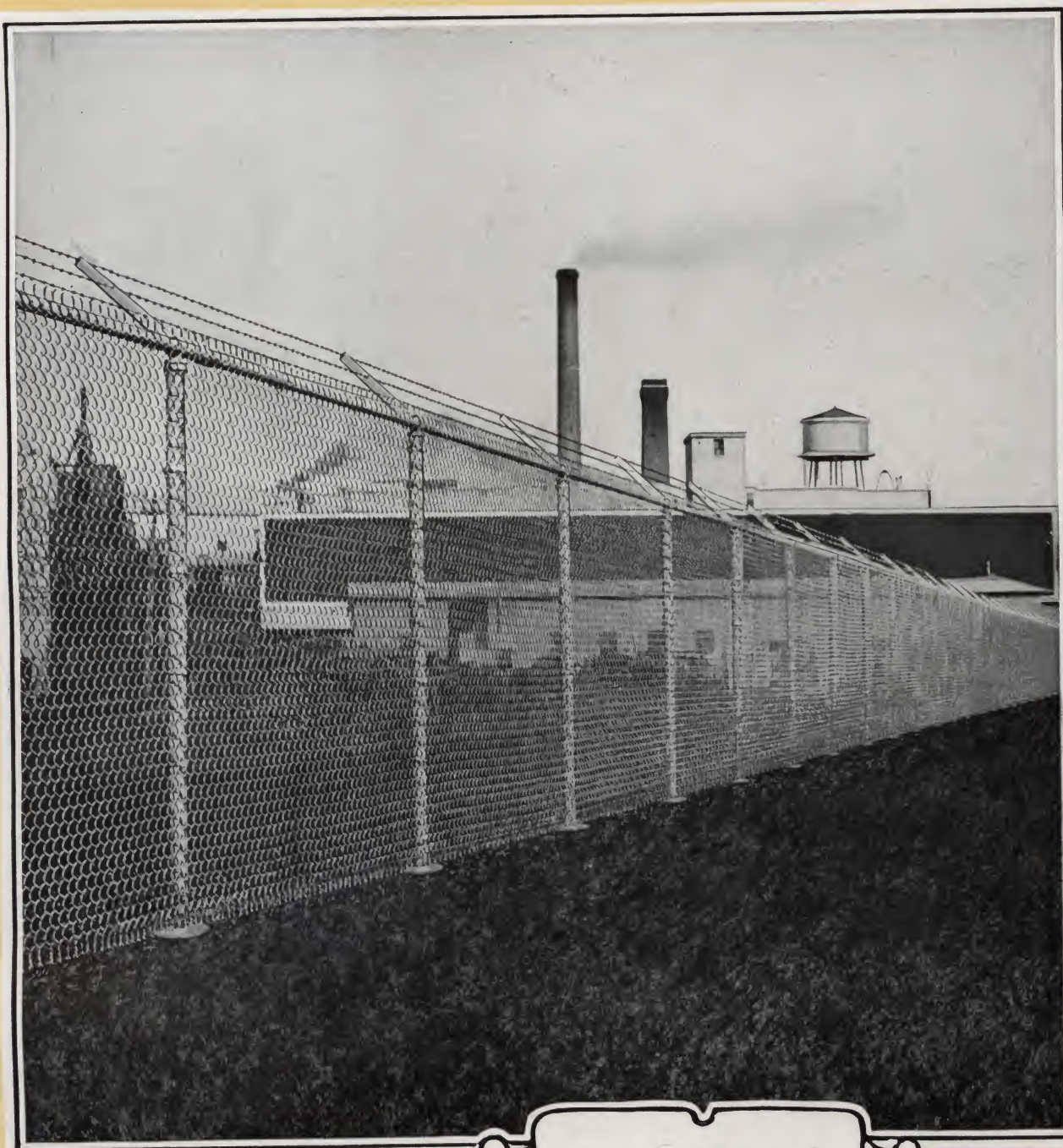


Plate 445

An effective barrier against all outside dangers and annoyances. Makes the factory yard a safe storage space.

Industrial Property of All Kinds



Invincible Chain Link
Fence. Specifications
and Details of Con-
struction, Pages
52 to 57

Cyclone Property Protection Fence for Textile Mills

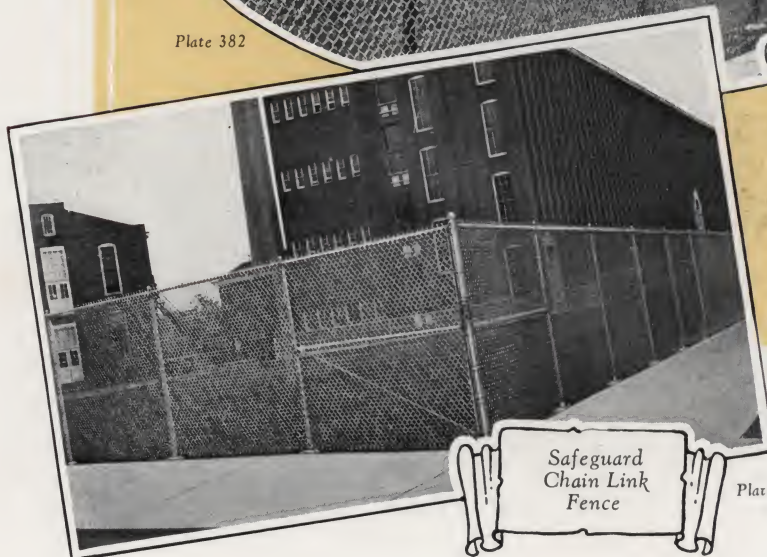


Non-Climbable
Chain Link
Fence



Plate 382

Invincible
Chain Link
Fence



Safeguard
Chain Link
Fence

Plate 481

Specifications and
Details of Con-
struction, Pages
52 to 59

Cyclone Property Protection Fence for Oil Property



Plate 524



Plate 525



Plate 351

Invincible
Chain Link
Fence

Invincible
Chain Link
Fence

Invincible
Chain Link
Fence

Specifications and
Details of Construc-
tion, Pages 52 to 57

Cyclone Property Protection Fence for Central and Transformer Stations

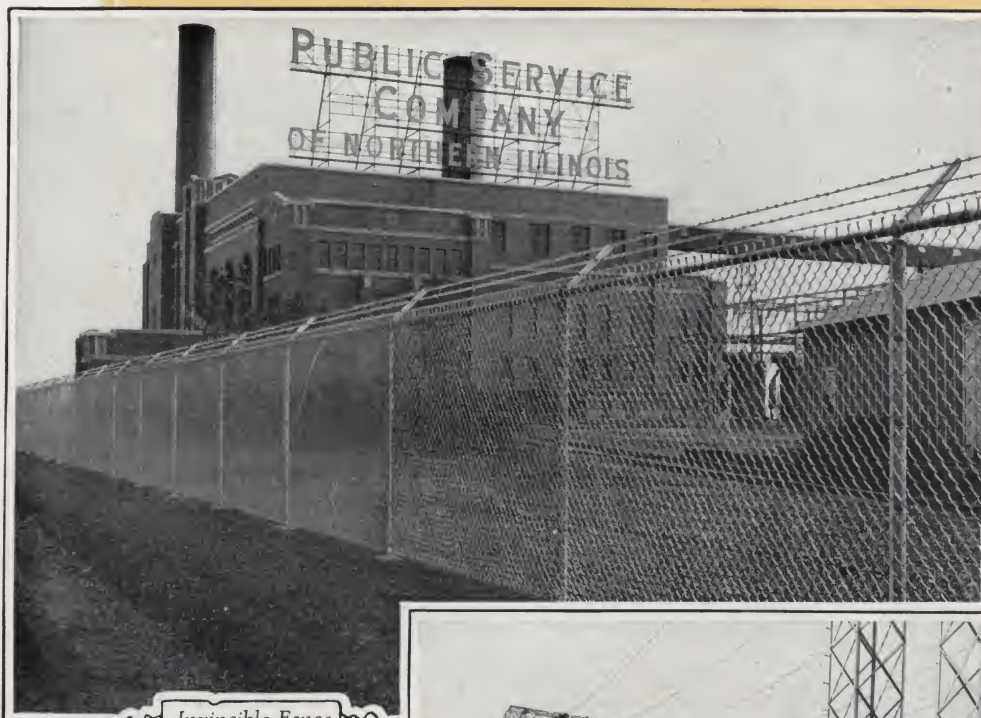


Plate 515

Invincible Fence
Enclosing Central
Station

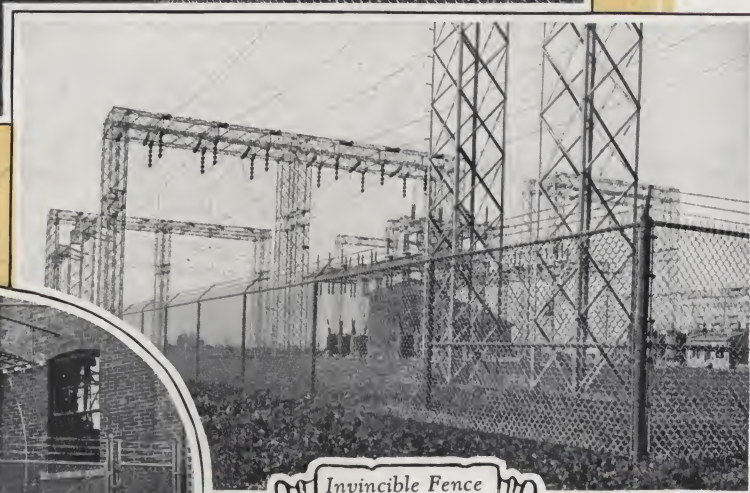


Plate 438

Invincible Fence
Enclosing Trans-
former Station

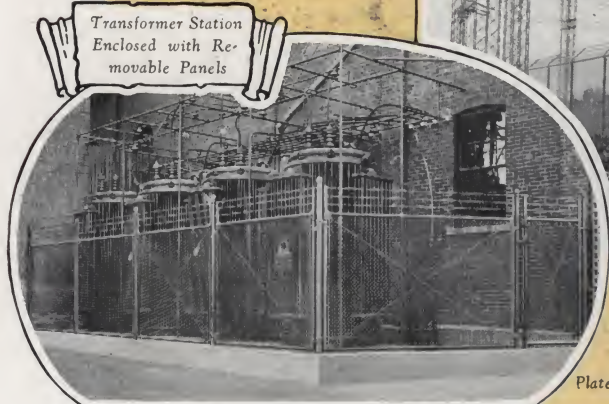
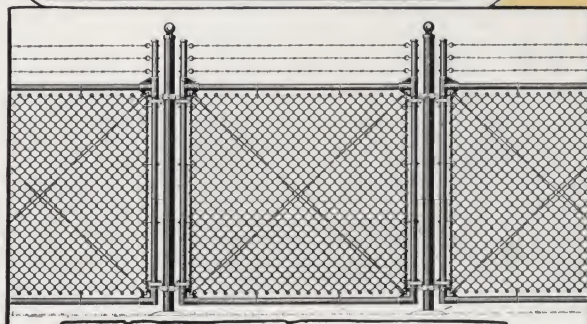


Plate 293

Transformer Station
Enclosed with Re-
movable Panels



Detail of Cyclone Removable Panel

CYCLONE Transformer Station Enclosures with removable panels afford reliable protection yet are easily and quickly removed when installing or replacing equipment. Standard height, 7 ft., width of panels to suit conditions. Posts, tubular Copper-Bearing steel $2\frac{1}{2}$ in. diam. Framework, tubular Copper-Bearing steel $1\frac{3}{8}$ in. diam. Fabric No. 9 gauge Copper-Bearing wire woven in a 2-inch chain link mesh. Other details of construction, pages 52 to 57.

Cyclone Property Protection Fence for Railroads, Rights-of-way, Etc.

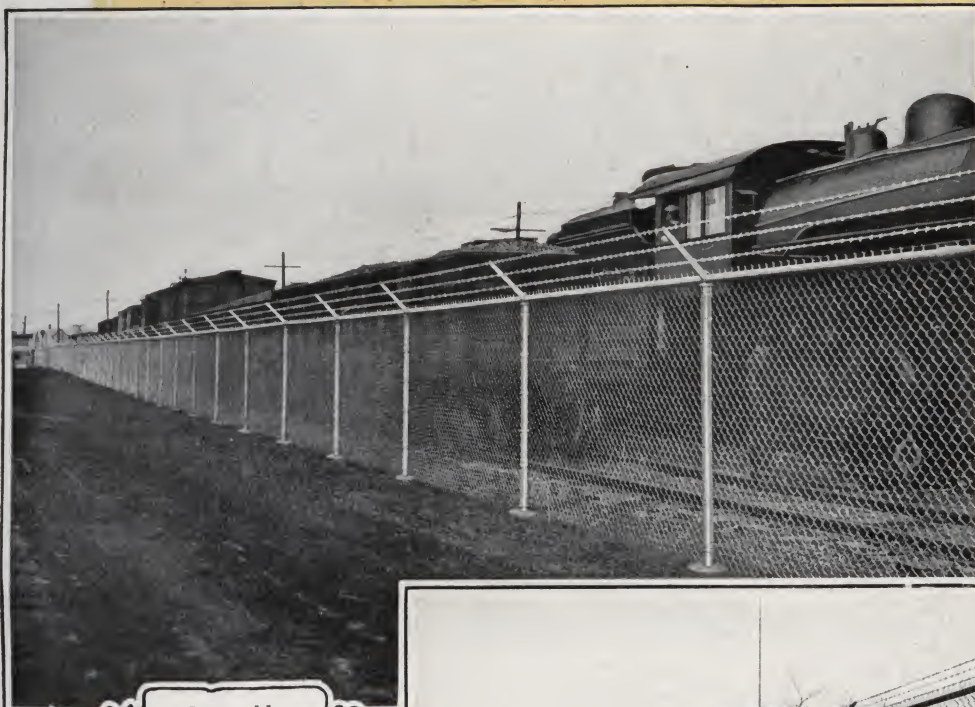


Plate 446

Invincible
Fence Enclosing
Freight Terminal



Plate 412

Invincible Fence
Enclosing
Approach to
Passenger Station



Plate 478

Wrought Iron
Fence built for
any Railroad
Purpose



Plate 471

Special Design
Wrought Iron
Inter-Track
Fence

Gates used with Cyclone Chain Link Fence

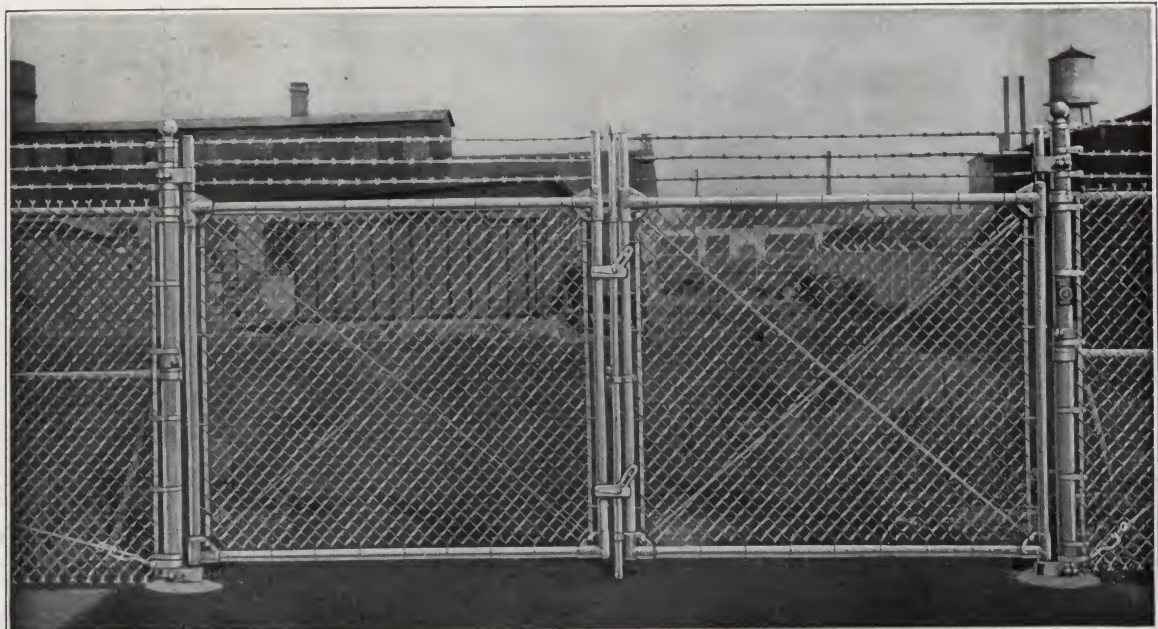


Plate 519

Cyclone Swing Gates, Either Single or Double, for Invincible, Non-Climbable or Safeguard Fence

SPECIFICATIONS

Frames: Hot-Dip Galvanized, tubular Copper-Bearing Steel. In heights 6 ft. and over frames are 2-in. O.D., weight 2.72 lbs. per lineal ft. When used with fence having barbed wire top, the end members extend 1 ft. above top horizontal rails, and carry 3 strands of barbed wire. Corner fittings are extra heavy malleable iron.

Stays: Hot-Dip Galvanized, tubular Copper-Bearing Steel, $1\frac{3}{8}$ in. O.D., for single gates 8-, 9-, 10 and 11-ft. wide. For single gates 12-ft. and wider, stays are 2-in. O.D. These stays together with $\frac{3}{8}$ in. adjustable truss rods keep gate absolutely rigid; prevent sagging, buckling and side weave.

Fabric: Cyclone "Galv-After" Chain Link of No. 9 or No. 6 gauge Copper-Bearing wire, woven in a 2-in. mesh to match fabric used in fence furnished. Fabric is built into gate frame by means of stretcher bars and adjustable hook bolts which keep fabric at proper tension.

Hinges: Hot-Dip Galvanized. Made of malleable iron, heavy, strong. Have exceptionally large bearing surface for clamping hinge on gate post — cannot twist or turn. Cyclone swing gate hinge equipment will carry 100% over load. Bottom hinge is ball and socket pivot type. It rests directly on post base and cannot sag. Socket carries most of the weight and makes gate easy to handle.

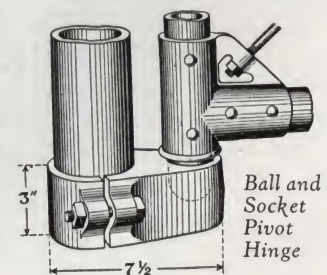
Latch and Lock: Hot-Dip Galvanized. On swing gates, either single, double-drive or railroad type, latch of the plunger bar type, arranged for padlock locking, is furnished. This is the most practical and effective locking arrangement. Altho plunger bar provides a positive latch, it makes optional the locking of gates, master-key system, etc. Plunger bar is of tubular Copper-Bearing steel and extends the full height of gate. Fittings are of heavy pressed steel or malleable iron. Flush plate and anchor which receives plunger bar is set in concrete. Plunger bar guides and gate corner fittings are cast in one piece; thus eliminating any

possibility of their working loose. Railroad gates and drive gates are equipped with catch posts to hold gates in open position. See pages 61, figures No. 1 and 2 for details of walk gates.

Standard Sizes: Single swing walk gates built standard for 4-ft. opening. Double-swing gates for drive-ways built standard for 14 and 18-ft. openings. The standard size for railroad entrance is 18 ft. This provides proper clearance between cars and gate posts and conforms to state laws.

Gates for standard size openings are recommended where conditions are regular. They are carried in stock at all Cyclone factories. The standard size gate openings specified have been established as a result of many years of experience in manufacturing and installing Cyclone Property Protection Fence. Weight and strength of gate posts, also bracing, are given very careful attention by our Engineering Department where it is necessary to provide gates of extra large size. Where conditions are such that standard sizes cannot be used, gates are built to meet requirements.

Gates Less than 6-ft. Height: Hot-Dip Galvanized. Gates 5 ft. high have tubular frames $1\frac{3}{8}$ in. O.D., weight 2.27 lbs. per lineal ft. Corner fittings, hinges and latch same type as gates 6 ft. high. Gates 3, $3\frac{1}{2}$ and 4 ft. high have tubular frames $1\frac{3}{8}$ in. O.D., weight 1.67 lbs. per lineal ft. Equipped with or without ornamental scroll top and spring latch. (See details. Fig. No. 3, page 61).



Gates used with Cyclone Chain Link Fence



Plate 483

Cyclone Sliding Gates, Either Single or Double for Invincible, Non-Climbable or Safeguard Fence

SPECIFICATIONS

Frames: Hot-Dip Galvanized, tubular Copper-Bearing Steel, 2-in. O.D. When used with fence having barbed wire top, three strands of barbed wire are carried above the top horizontal rail.

Stays: Hot-Dip Galvanized, tubular Copper-Bearing Steel. Gate stays together with $\frac{3}{8}$ -in. adjustable truss rods keep gate absolutely rigid, prevent sagging, buckling and side sway.

Fabric: "Galv-After", Chain Link, No. 9 or No. 6 gauge Copper-Bearing Steel wire woven in a 2-in. mesh to match fabric used in fence furnished.

Standard Widths: 14-ft. to 20-ft. opening for drive way. Standard overhead clearance 14 ft.

Overhead Track Support: 5-in. channel, weight $6\frac{1}{2}$ lbs. per lineal ft. Fastened to gate posts by means of combination special ornamental ball post top cap and channel support (see detail drawing below of top, channel, track and roller bearing trolley hanger).

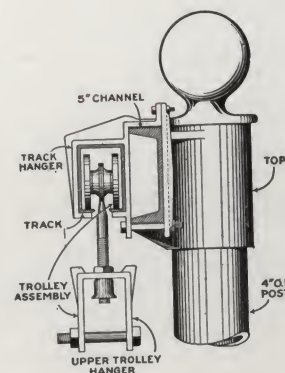
Track: Completely enclosed type.

Trolley: Double truck roller bearing type. Very easy to operate.



Cyclone Entrance Signs

Cyclone Entrance Signs not only serve a very practical purpose but add a dignified and pleasing appearance to property. Made of heavy channel iron frames with any lettering desired that will fit into space. Letters made of galvanized sheet with aluminum bronze finish.



Detail of Trolley and Track for Sliding Gates

Cyclone Wrought Iron Fence and Gates



Plate 479

Design No. 507



Plate 506

Gate, Design No. 501
Fence, Design No. 508

Specifications for Standard Designs, Pages 62 and 63

Cyclone Wrought Iron Fence and Gates



Plate 504

Design No. 509, in Background, Cyclone Chain Link Tennis Court Enclosure



Plate 480

Special Design, Factory Entrance

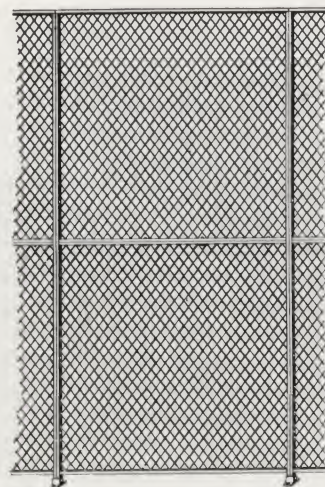
*Cyclone Wrought Iron Fence and Gates Built in
Special Designs from Architects' Drawings when desired*

Wire Work of All Kinds

Partitions

Built In Sections; Standard Size

Cyclone sectional partitions are always equal to the requirements of your business. Sections can be added as needed, or taken out and used elsewhere. All sections punched alike for bolts — no refitting — no loss. Quick changes in departments can be made any time. Pick up any section, place in position, bolt to adjoining sections — no fitting or trouble. Easy to erect partitions for any purpose. All sections are standard size.



*Detail of Channel Iron
Partition Frame*

Specifications

4-ft. wide by 8-ft. high

Frames — 1-in. channel iron with floor flanges for wood or concrete floors.

Fabric made of No. 10 gauge steel wire woven in 1 1/2-in. diamond mesh and securely locked in framework.

Partitions are equipped with either swinging or sliding doors. Hand holes or wickets in partitions or doors provided where desired.

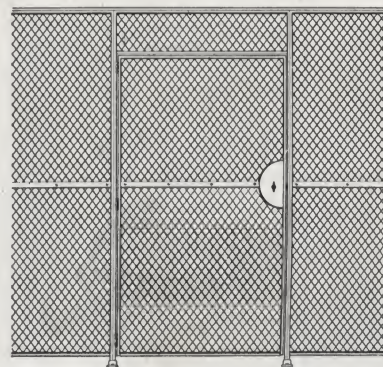
Doors provided with tamper-proof latches and locks. All partitions given coat of special black metal paint.

Swing Doors

The hinges are heavy butt type, riveted to the door frame and hinge bar.

The lock is of tumbler type, bronze interior, master-keyed — a smooth working unit that clicks open and snaps shut with perfect precision. Riveted lock plates make it tamper-proof.

Usually there is a knob handle that controls the lock on the inside of the enclosure, and a key opening on the outside. The diagram or floor plan accompanying your order should indicate which side of the partition is the INSIDE, and which way the door should swing.



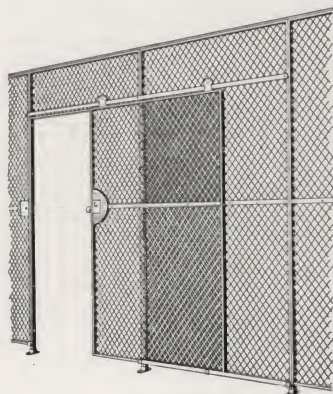
Slide Doors

Doors of this type are especially convenient and desirable where space is limited, and there is not sufficient room to swing a door.

This door is built with ball-bearing hangers that operate on an overhead track.

Cyclone Sliding Doors are very easy to handle; they do not get out of order; they are always under control, and may be opened an inch or full width, as desired.

The frames, fabric, finish and lock specifications provide for the same high quality as furnished in Cyclone Swing Doors. Indicate on your sketch which way your doors should slide.



Wire Work, Continued

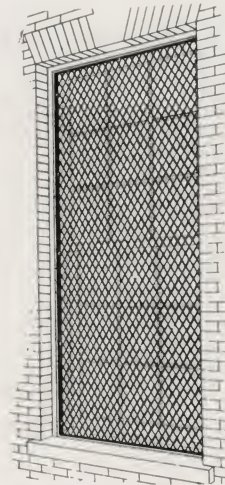
Window Guards

Frames are 1-in. channel, $\frac{3}{4}$ -in. channel or $\frac{3}{8}$ -in. round iron. Guards with channel-iron frames fit into the openings and exact opening sizes are required. Guards with round-iron frames usually allow $\frac{3}{4}$ -in. on all sides for lap, but can be made to fit into openings. In all cases specify outside-to-outside measurements of complete guards.

Fabric — No. 10 gauge wire woven in $1\frac{1}{2}$ -in. diamond mesh, is a specification commonly used. However, Cyclone Window Guards are furnished with size of wire and mesh to suit any condition. Furnish opening sizes for estimates and quotations. All guards given heavy coat of special black metal paint.



Detail of
Round Iron
Guard Frame



Window
Guard

Woven Wire Signs



Built in any size with heavy channel-iron frames. Letters are heavy-galvanized sheet steel. All signs are constructed to withstand weather conditions, and give permanent service. State length and height of sign wanted, also name to be displayed. Please give dimensions when requesting prices.

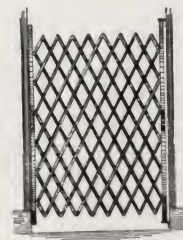
The
Safe
Bonfire



Catch-all
Basket

Folding Gates

Especially adapted for factory and office entrances, stock-room doors, department doors, etc. Made for any width, take up minimum space, fold and swing out of the way.



Cyclone Catch-All Basket

The Cyclone Catch-All Basket is useful everywhere. Indoors and outdoors it serves many purposes. A convenient receptacle for waste paper and trash of all kinds. A rubbish burner—both in one. The small mesh keeps burning fragments safely confined; no fire hazard. Endorsed by fire authorities in large cities.

The Cyclone Catch-All Basket is built of heavy crimped wire, electrically welded. Height, 29 in. Light — easy to carry. Safe, convenient, sturdy. Finished in baked green enamel.



Property
Protection
Pays

Cyclone Property Protection Fence

*for municipal property of
all kinds, schools, playgrounds,
athletic fields, parks, golf
grounds, clubs, tennis courts,
.. cemeteries, institutions,
storage yards, etc. Cyclone Road-
Guard. Also arches, wrought
iron fence and gates, in
standard and special designs*

Section Two

Standard Property Protection



Plate 467

Keeps children within controllable bounds — keeps them out of dangerous streets adjoining school grounds. An indispensable part of modern school equipment.

for Schools and Playgrounds



Safeguard Chain
Link Fence.
Specifications and
Details of
Construction,
Pages 54 to 58

Cyclone Property Protection Fence for Schools and Playgrounds



Plate 418

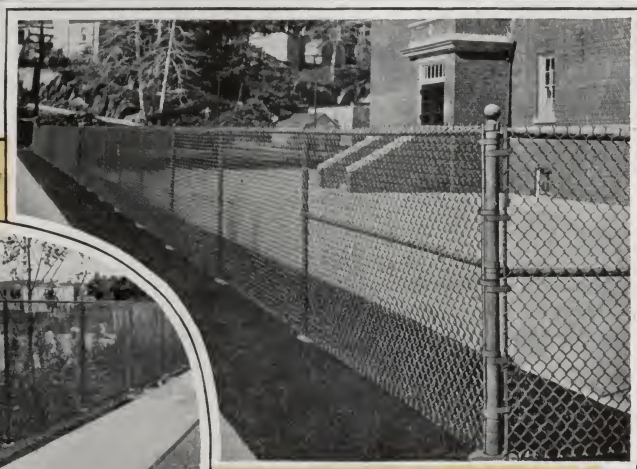


Plate 486



Plate 104

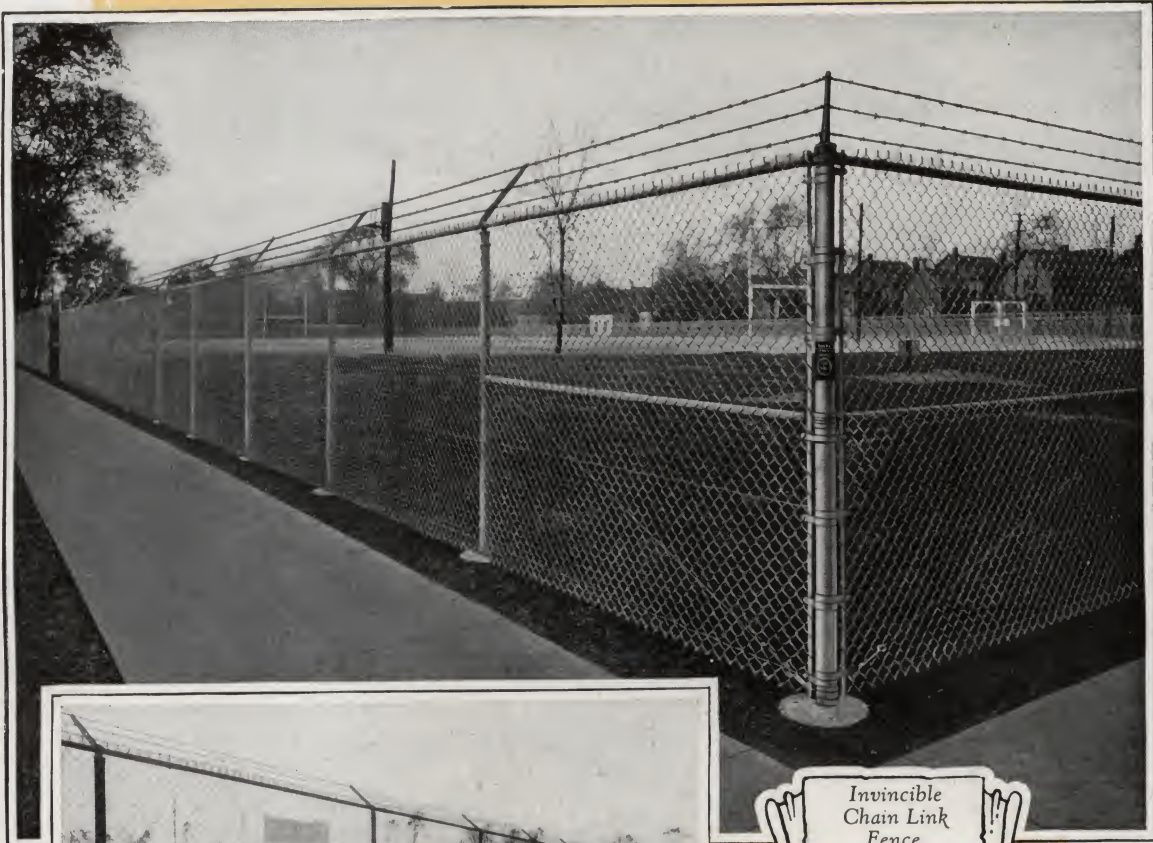


Plate 509

Showing various
applications of
Safeguard Chain
Link Fence to
School Property.

Specifications and De-
tails of Construction,
Pages 54 to 58

Cyclone Property Protection Fence for Athletic Field



Invincible
Chain Link
Fence

Plate 468



Plate 344

Invincible
Chain Link
Fence



Plate 277

Non-Climbable
Chain Link
Fence



Plate 341

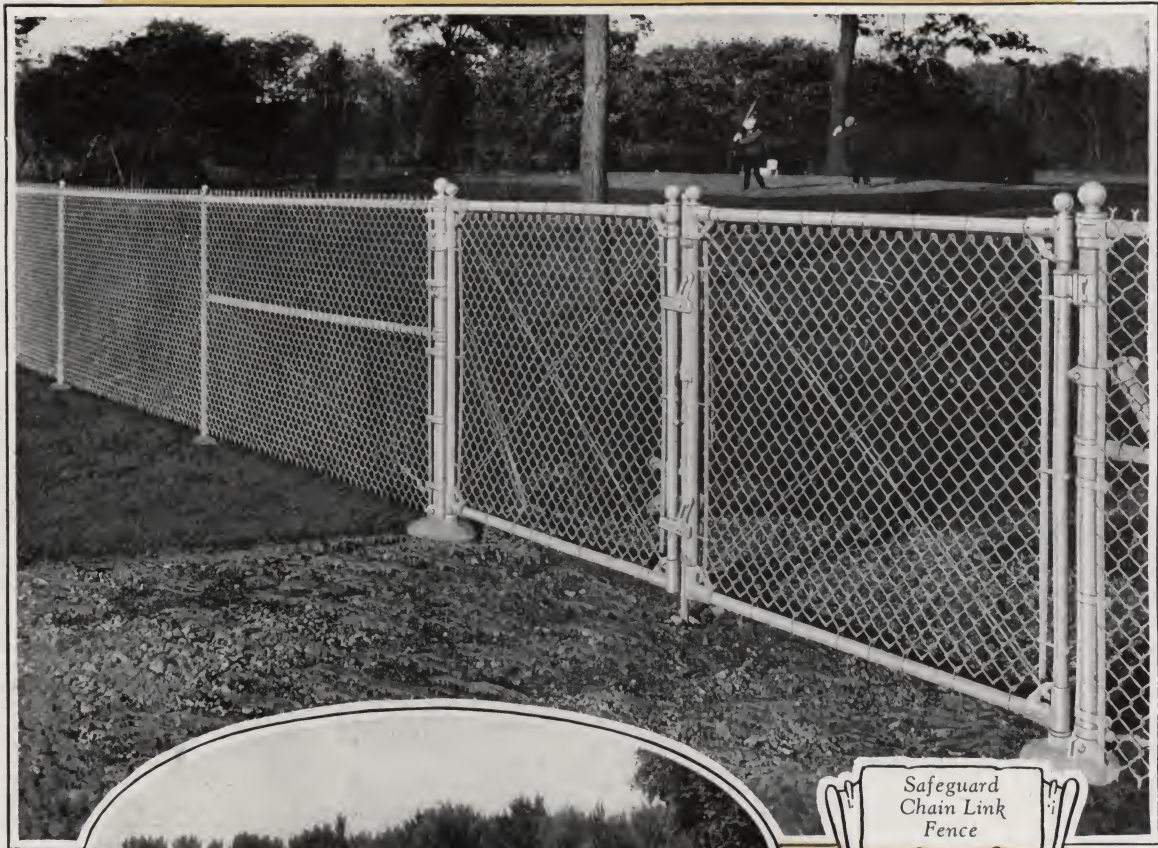
Safeguard
Chain Link
Fence

Specifications and De-
tails of Construction,
Pages 52 to 59

SEC. THREE
Estates
& Homes

SPECIFICA-
TIONS

Cyclone Property Protection Fence for Parks, Golf Grounds and Clubs



Safeguard
Chain Link
Fence

Plate 498



Plate 184

Safeguard
Chain Link
Fence

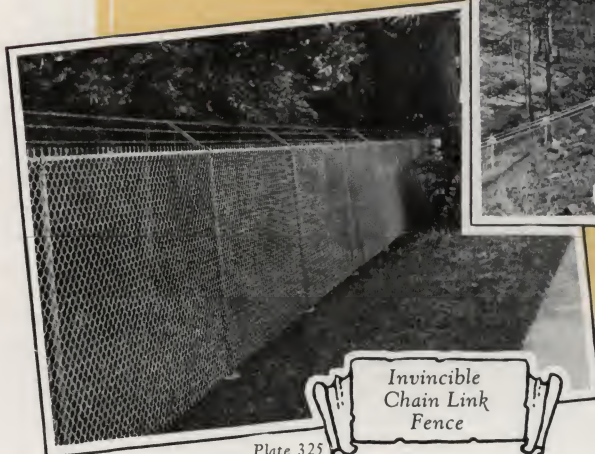


Plate 325

Invincible
Chain Link
Fence



Non-Climbable
Chain Link
Fence

Plate 403

Specifications and
Details of Construc-
tion, Pages 52 to 59

Cyclone Tennis Court Enclosures and Back Stops



Plate 408

Chain Link
Tennis Court
Enclosure

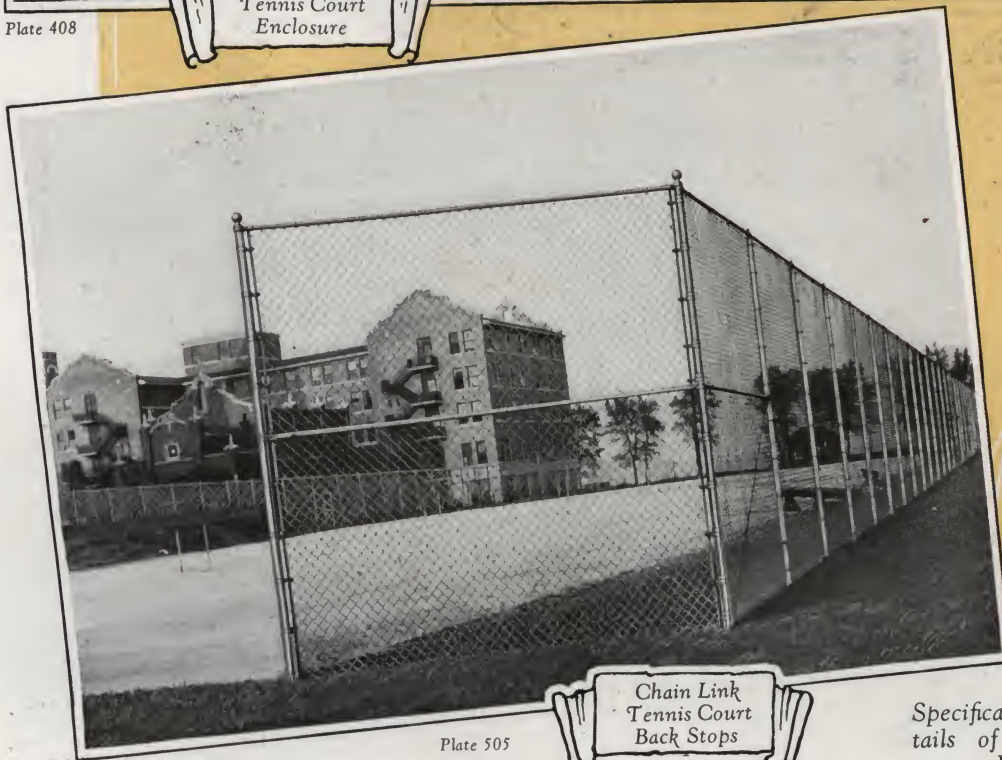


Plate 505

Chain Link
Tennis Court
Back Stops

Specifications and De-
tails of Construction,
Page 60

SEC. THREE
Estates
& Homes

SPECIFICA-
TIONS

Cyclone Property Protection Fence for Cemeteries

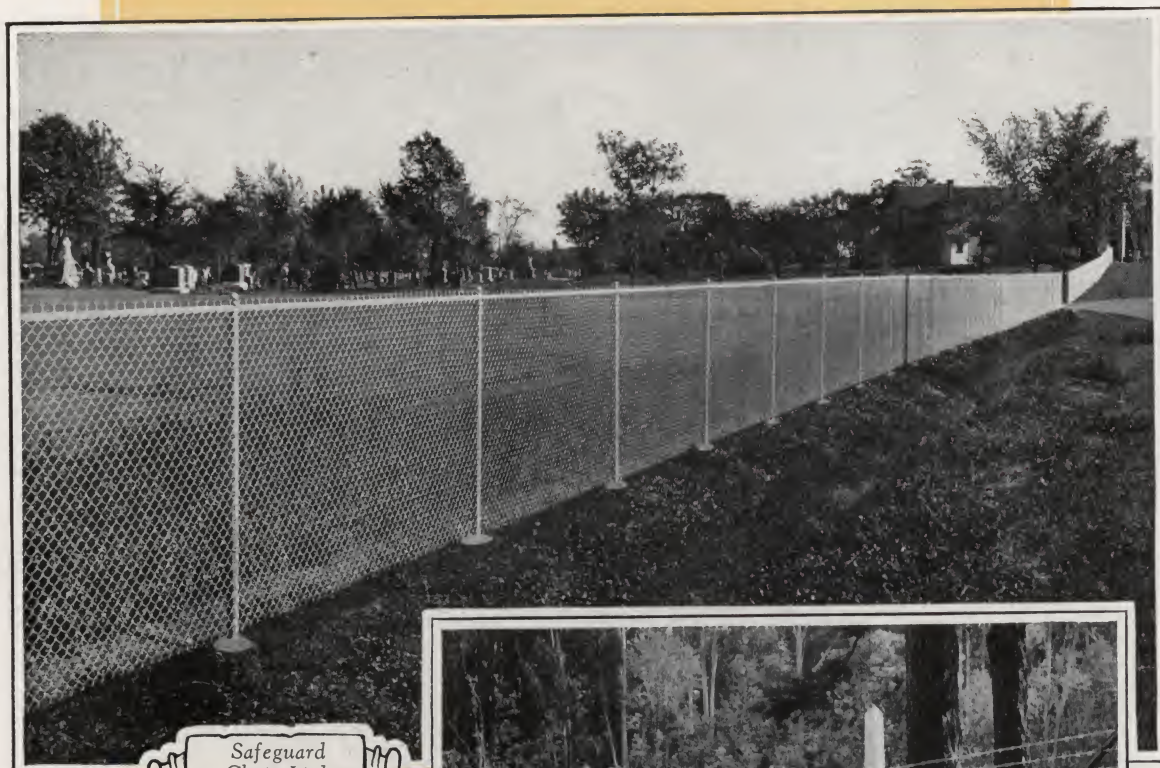


Plate 477

Safeguard
Chain Link
Fence



Plate 528

Invincible
Chain Link
Fence

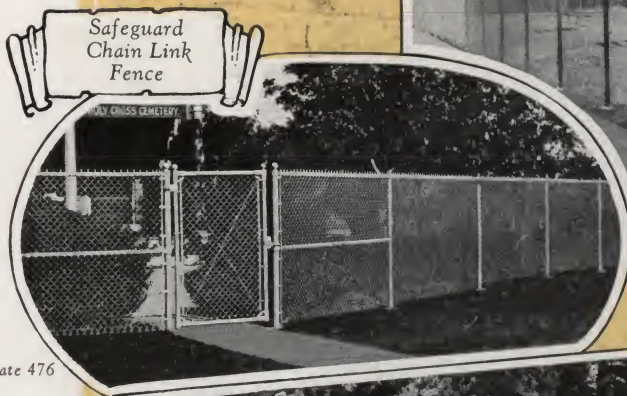


Plate 476

Safeguard
Chain Link
Fence

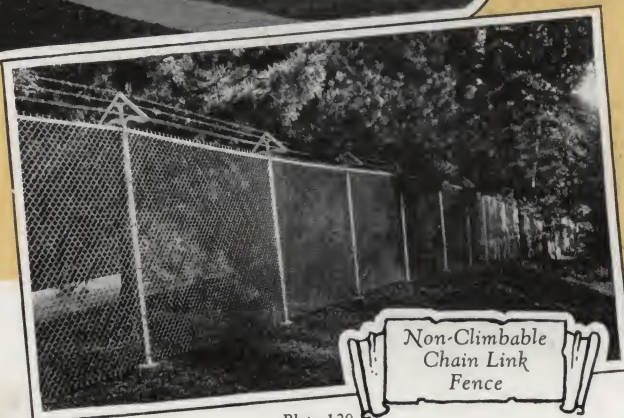


Plate 120

Non-Climbable
Chain Link
Fence

Specifications and De-
tails of Construction,
Pages 52 to 59

Cyclone Arches, Wire and Iron



Wrought Iron Entrance
Arch, No. 518,
Combined with
Safeguard Fence.



No. 3
Wire Arch



No. 2
Wire Arch

All wire arches built to give 11-ft. clearance. Standard openings, 8, 10 and 12 ft. Framework, heavy tubular steel Hot-Dip Galvanized. Scroll work, wrought iron. Any lettering desired, that will fit in space, will be furnished. Post tops fitted with crosses or ball tops, as preferred. Special size arches built to order. Prices on request.

Cyclone Property Protection Fence for Institutions

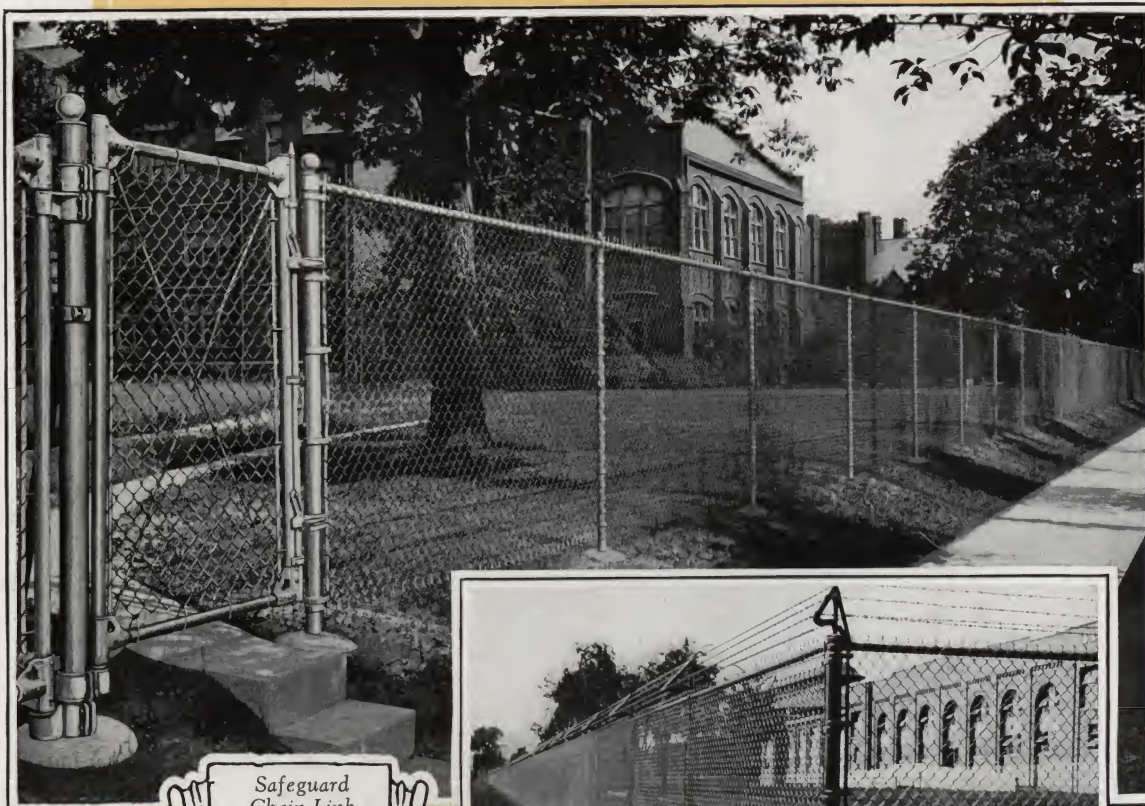


Plate 291

Safeguard
Chain Link
Fence



Plate 319

Non-Climbable
Chain Link
Fence



Plate 232

Invincible
Chain Link
Fence



Plate 394

Non-Climbable
Chain Link
Fence

Specifications and De-
tails of Construction,
Pages 52 to 59

Cyclone Property Protection Fence for Storage Yards, Etc.



Plate 415

Pole Yard
enclosed with
Invincible
Fence



Invincible Fence
enclosing Storage
Yard of
Highway Dept.



Plate 176

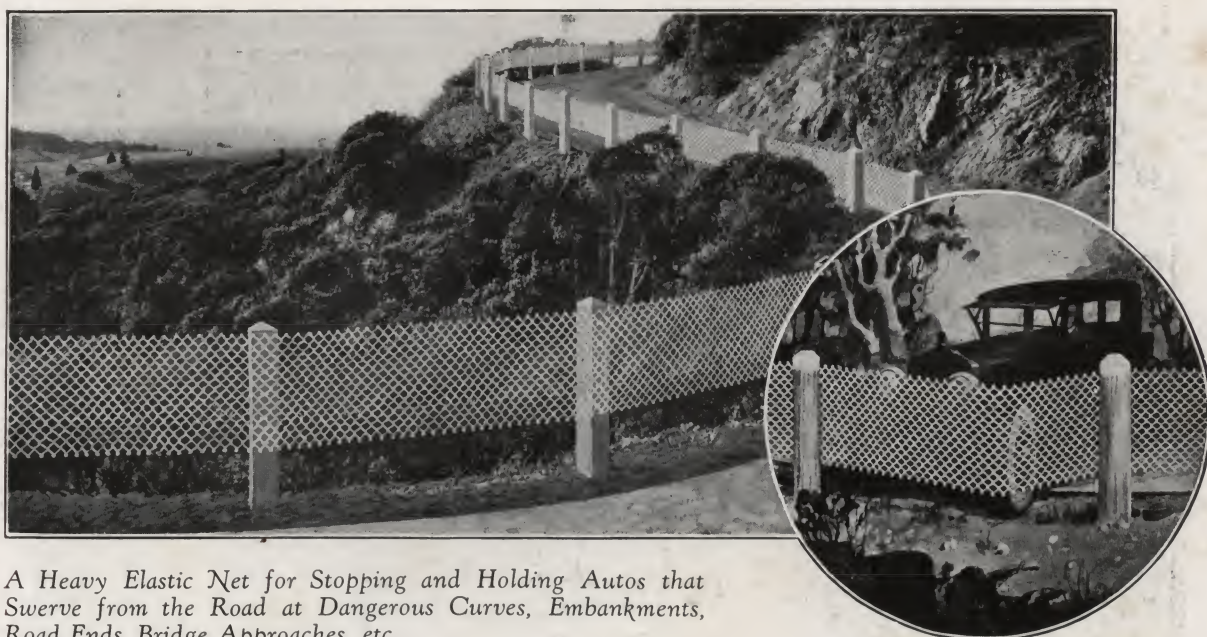
Invincible Fence
with vertical
extension arms
and without
top rail

Plate 529

For Invincible, Safe-
guard or Non-Climb-
able Fence without
top rail heavy No.
6 tension wire is
furnished at top and
bottom of fabric.

Specifications and De-
tails of Construction,
Pages 52 to 57

Cyclone Road Guard



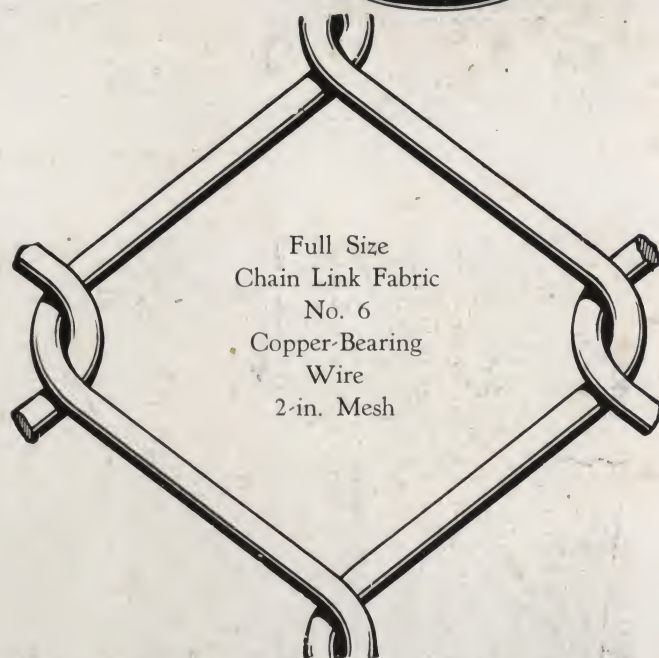
A Heavy Elastic Net for Stopping and Holding Autos that Swerve from the Road at Dangerous Curves, Embankments, Road Ends, Bridge Approaches, etc.

Specifications:

These specifications cover Cyclone Road Guard, which is to be installed on round or square posts, 6 inches to 8 inches cross section, of steel, pine, oak, cedar or other acceptable materials, set 3 foot to 3 foot 6 inches in ground and 3 foot 6 inches above grade. Each end post to be properly braced, or trussed and anchored. It is recommended that line posts be spaced not farther apart than 12 foot centers; for heavy duty, from 8 to 10 foot centers.

Fabric: Chain Link type. Of heavy No. 6 gauge Copper-Bearing Steel wire 0.20% copper content, woven in a 2" mesh with knuckled edges; fabric is galvanized AFTER Weaving. The links are formed by gradual easy bending, so as to preserve all of the natural strength and elasticity of the material. There are no sharp wraps or kinks. It is recommended that delivery on the job be made before any painting is done, so that the zinc coating can be thoroughly inspected for rust spots or abrasions. The standard width is 24" and is fastened to the posts 12" above grade.

Tensile Strength: Wire pickets of which this fabric is made to stand a tensile strength test of 70,000 pounds per square inch based on the cross sectional area of the galvanized wire. Test to be made by taking a picket from a stock roll of fabric, cutting to one



foot in length and without previously straightening it, testing in standard testing machines by pulling until the wire breaks. This to determine the strength of the wire in the fabricated or coiled form in which it is used.

Test of Galvanizing: Galvanizing is of such weight as to stand six, one minute immersions in Copper Sulphate solution under the Preece test. It is recommended that the test be made on a section of wire picket long enough so that at least one bend and one straight side of the formed galvanized link be included. This to show that the coating is uniform and of equal thickness throughout.

Staple Fastening: At end posts fabric shall be fastened to three sides with five staples each. At line posts fabric shall be fastened with five staples. Staples to be made of No. 6 wire 2" long.

Cyclone Wrought Iron Fence for Schools and Playgrounds



Plate 456

Design No. 509 with Special Corner Post Construction



Plate 487

Design No. 509 with Standard Corner Post Construction

Specifications for Standard Designs, Pages 62 and 63

Cyclone Wrought Iron Fence for Parks and Public Grounds

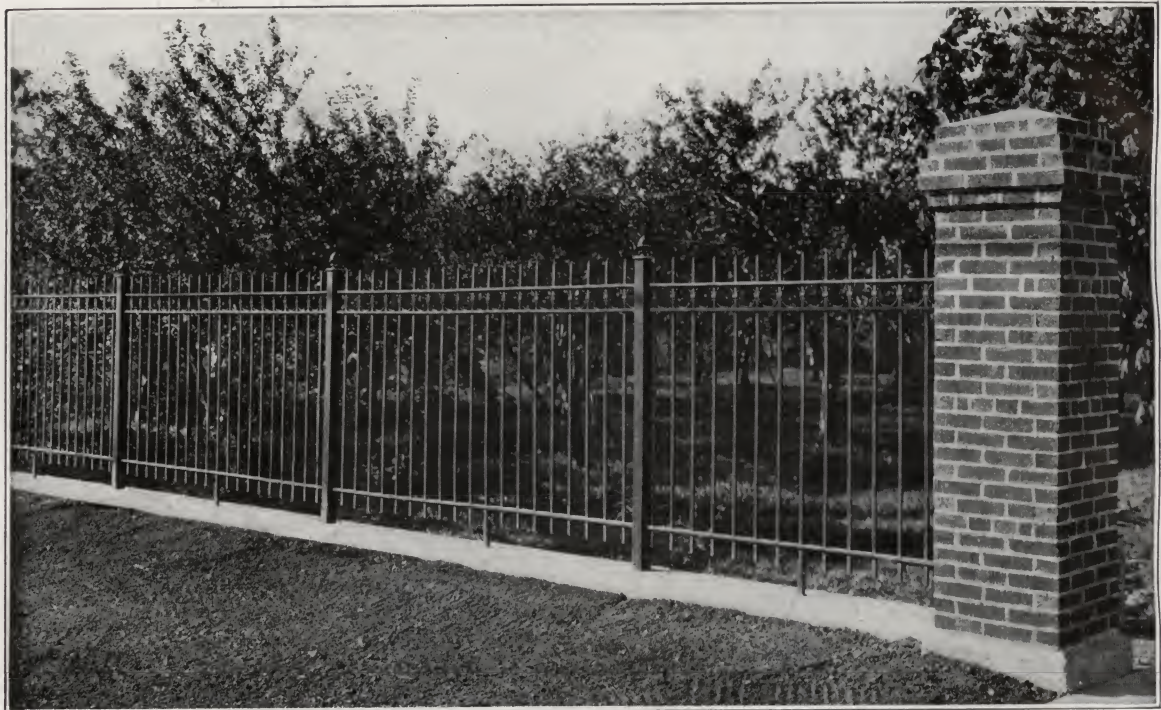


Plate 473

Design No. 508

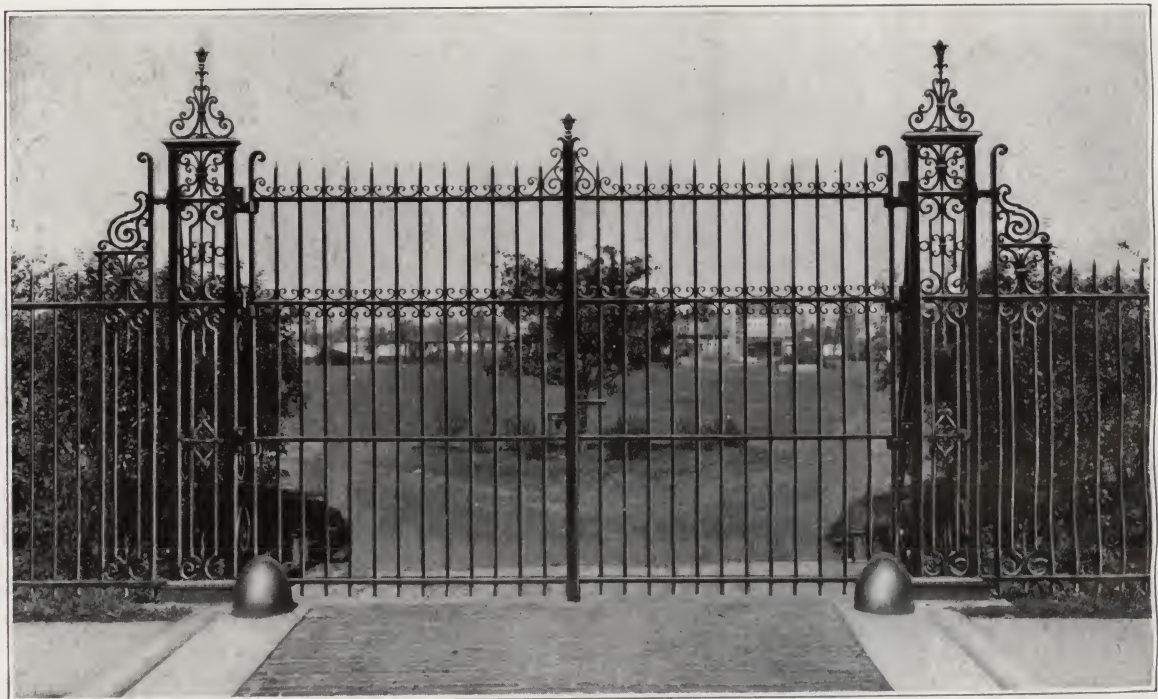


Plate 502

Architectural Design Wrought Iron Entrance

*Cyclone Wrought Iron Fence and Gates Built in
Special Designs from Architects' Drawings when desired*

Cyclone Wrought Iron Fence for Institutions



Plate 458

Design No. 509



Plate 457

Design No. 509

Specifications for Standard Designs, Pages 62 and 63

Cyclone Wrought Iron Fence for Cemeteries



Plate 462

Architectural Design

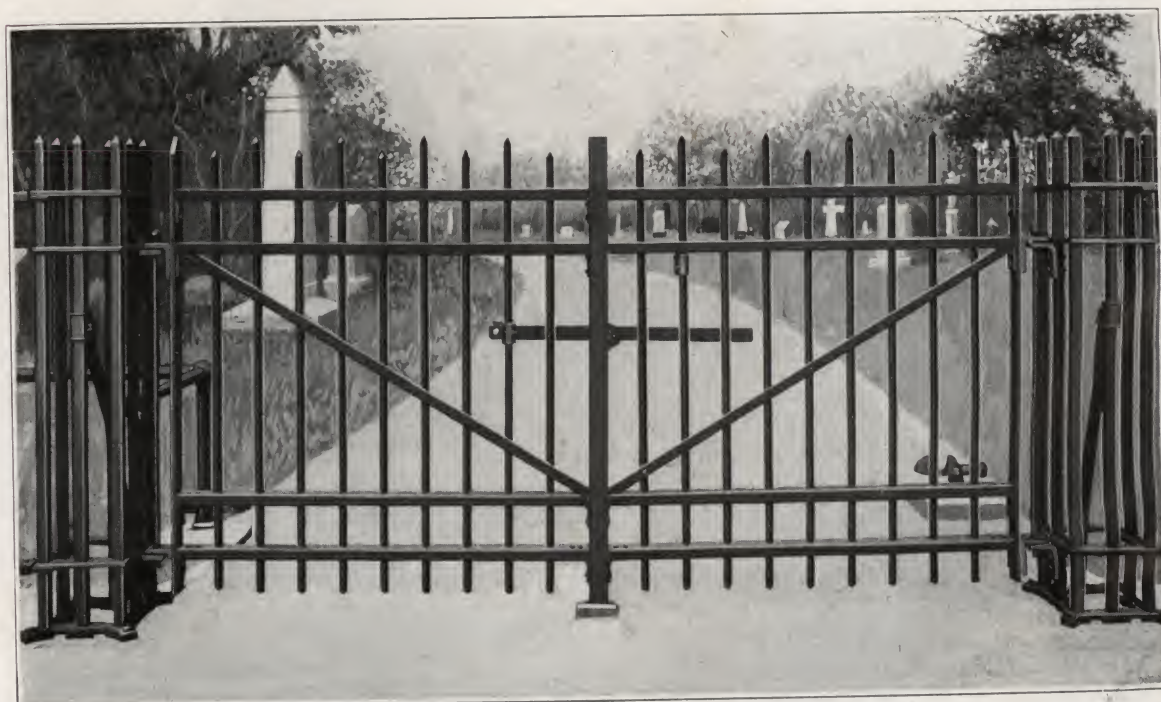


Plate 461

Special Design Gate and Gate Posts

*Cyclone Wrought Iron Fence and Gates Built in
Special Designs from Architects' Drawings when desired*

Cyclone Wrought Iron Fence for Cemeteries



Plate 470

Architectural Design
(By Hubbell & Benes, Architects, Cleveland, Ohio)



Plate 503

Design No. 509

Specifications for Standard Designs, Pages 62 and 63

Cyclone Wrought Iron Fence and Gates



Plate 453


Gate Design No. 501 — Fence Design No. 508



Plate 527


Gate Design No. 503

Specifications for Standard Designs, Pages 62 and 63



Cyclone Property Protection Fence

*For country estates and homes,
city and suburban residences,
tennis court enclosures and
back stops, kennels, poultry
yards, etc. Also wrought iron
fence and gates in standard
and special designs.*



Section Three

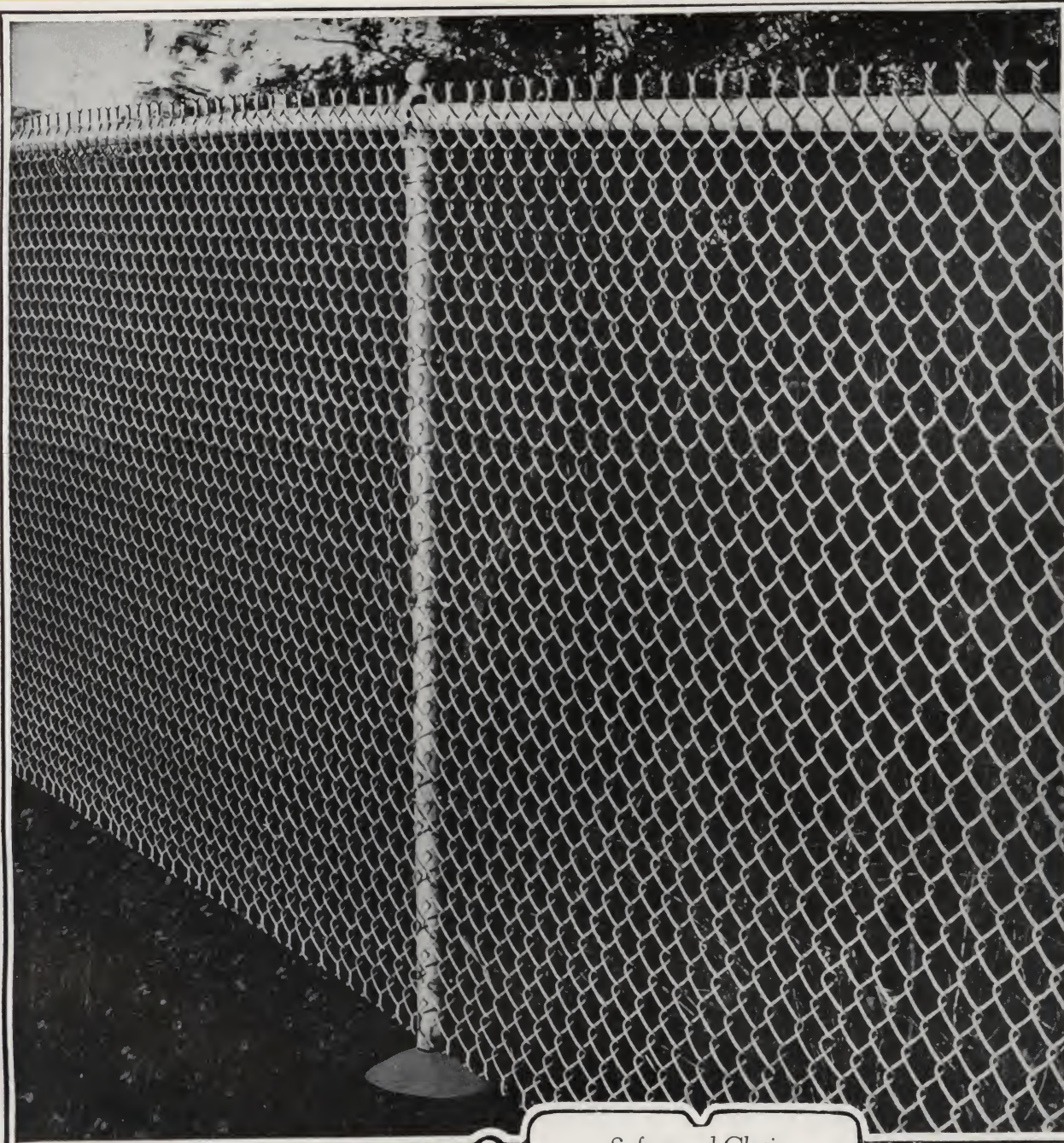
Standard Property Protection



Plate 496

Cyclone Safeguard Chain Link Fence is the standard for country estates and homes, golf courses, clubs, etc. Built in heights from 4-ft. up to and including 10-ft.

for Country Estates and Homes



Safeguard Chain
Link Fence.
Specifications and
Details of
Construction.
Pages 54 to 58

Cyclone Property Protection Fence for Country Estates and Homes — also Golf Grounds and Clubs

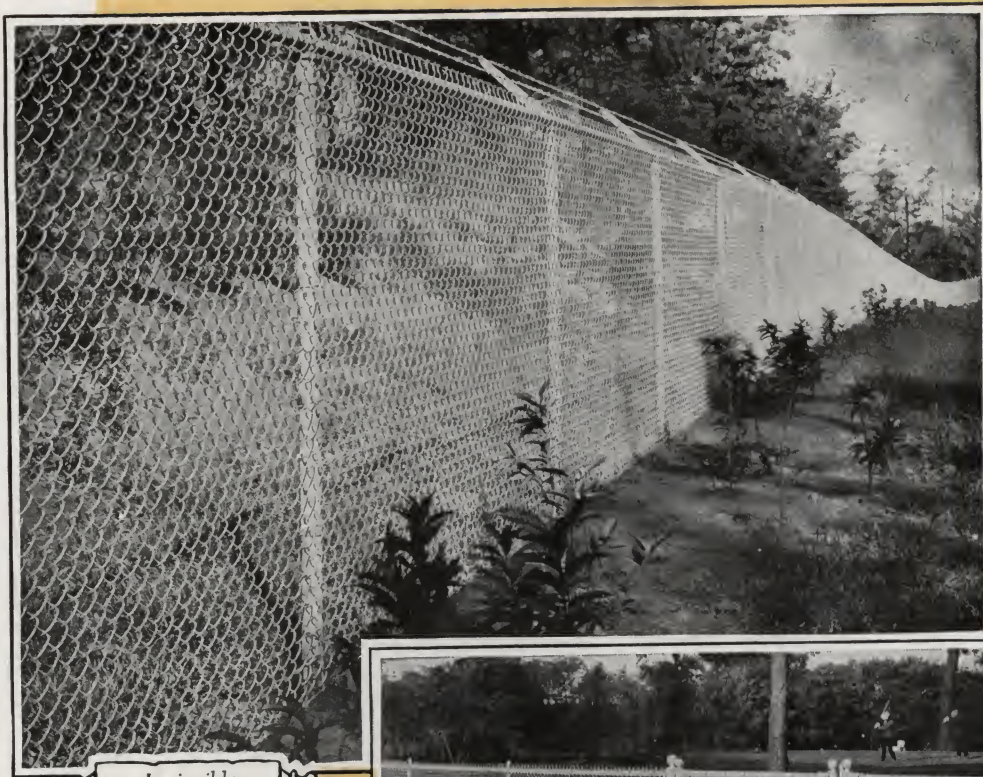
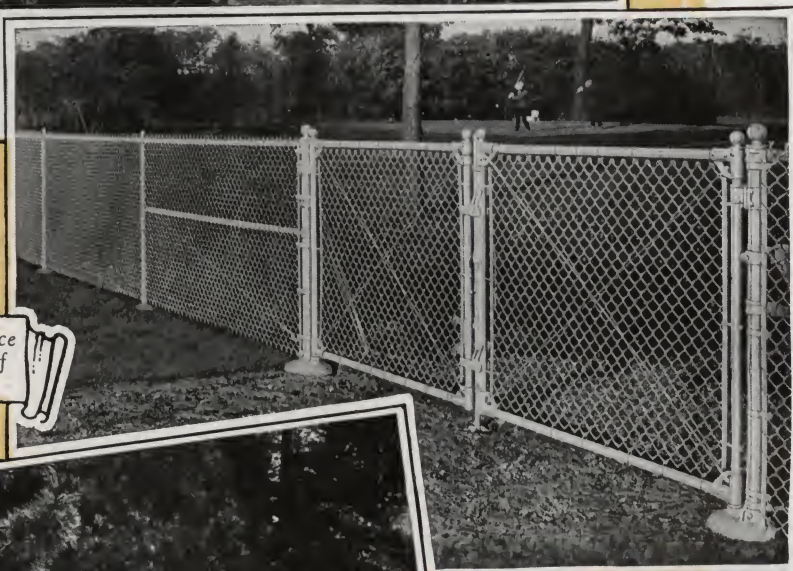


Plate 485

Invincible
Chain Link
Fence



Safeguard Fence
Enclosing Golf
Grounds

Plate 498

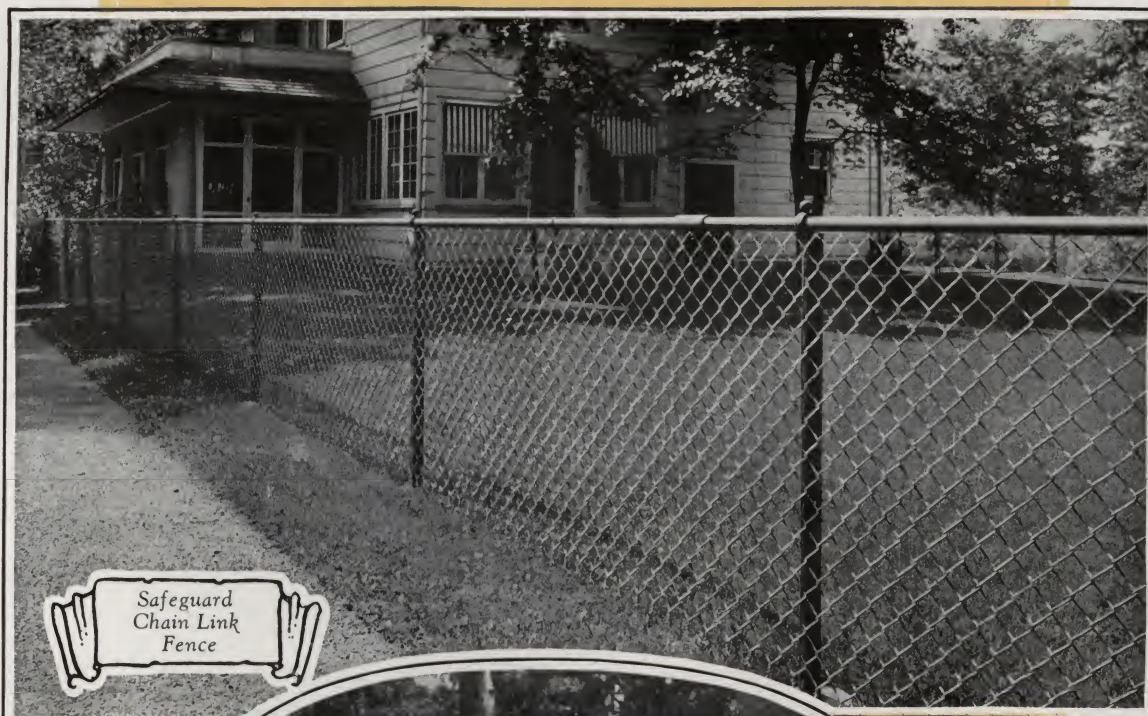


Plate 120

Non-Climbable
Chain Link
Fence

Specifications and De-
tails of Construction,
Pages 52 to 59

Cyclone Property Protection Fence for Suburban and City Residences



Safeguard
Chain Link
Fence

Plate 181



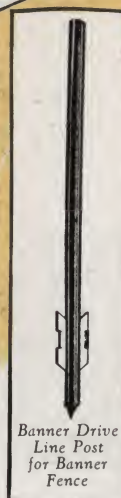
Safeguard
Chain Link
Fence

Plate 378



Plate 510

Banner Chain
Link Fence.
Banner Drive
Line Posts



Banner Drive
Line Post
for Banner
Fence

CYCLONE Banner Fence is a medium priced fence furnished with "Galv-After" Chain Link Fabric in 3½ or 4-ft. heights. Fabric, is No. 11 gauge Copper-Bearing steel wire woven in a 2-in. chain link mesh with one edge of fabric barbed; the other knuckled. Gates, either walk or double-drive, to match fence. See page 47 for specifications for framework.

SPECIFICATIONS

Cyclone Property Protection Fence for Various Purposes



Tennis Court Enclosures

Plate 493



Tennis Court Back Stops

Plate 526



Dog Kennel

Plate 449



Bird Cage

Plate 443



Chain Link Poultry Enclosure

Plate 448

Gates Used with Cyclone Estate and Residential Fence

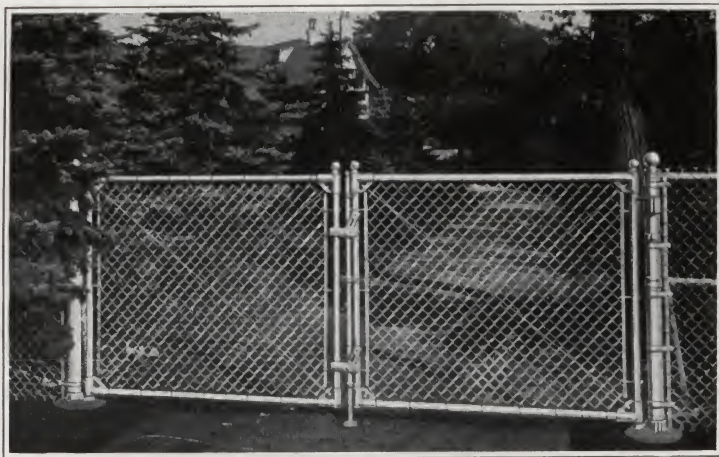


Plate 497

Double-Drive Swing Gates with Safeguard Chain Link Fence

SPECIFICATIONS

Frames: Hot-Dip Galvanized, tubular Copper-Bearing Steel. In heights 6 ft. and over, frames are 2-in. O. D., weight 2.72 lbs. per lineal ft. Corner fittings are extra heavy malleable iron.

Stays: Hot-Dip Galvanized, tubular Copper-Bearing Steel, $1\frac{3}{8}$ -in. O. D., for single gates 8-, 9-, 10- and 11-ft. wide. For single gates 12-ft. and wider, stays are 2-in. O. D. These stays together with $\frac{3}{8}$ -in. adjustable truss rods keep gate absolutely rigid; prevent sagging, buckling and side weave.

Fabric: Cyclone "Galv-After" Chain Link of No. 9 or No. 6 gauge Copper-Bearing wire, woven in a 2-in. mesh to match fabric used in fence. Fabric is built into gate frame by means of stretcher bars and adjustable hook bolts which keep fabric at proper tension.

Hinges: Hot-Dip Galvanized. Made of malleable iron, heavy, strong. Have exceptionally large bearing surface for clamping hinge on gate post—cannot twist or turn. Cyclone swing gate hinge equipment will carry 100% overload. Bottom hinge is ball and socket pivot type. It rests directly on Post Base and cannot sag. Socket carries most of the weight and makes gate easy to handle

Latch: Hot-Dip Galvanized. On swing gates, either single or double-drive, latch of plunger bar type, arranged for padlock locking, is furnished. Altho plunger bar provides a positive latch, it makes optional the locking of gates. Plunger bar is of tubular Copper Bearing steel and extends full height of gate. Fittings are of heavy pressed steel of malleable iron. Flush plate and anchor which receives plunger bar is set in concrete. Plunger bar guides and gate corner fittings are cast in one piece; thus eliminating any possibility of their working loose: Double-drive gates are equipped with catch posts

to hold gates in open position. See page 61, Figure No. 2, for details of Walk Gates.

Standard Sizes: Single swing walk gates built standard for 4-ft. opening. Double swing gates for driveways built standard for 12 to 18-ft. openings. Gates for standard size openings are recommended where conditions are regular. They are carried in stock at all Cyclone factories. The standard size gate openings specified have been established as a result of many years of experience in manufacturing and installing Cyclone Fence. Weight and strength of gate posts, also bracing are given very careful attention by our Engineering Department where it is necessary to provide gates of extra large size. Where conditions are such that standard sizes cannot be used, gates are built to meet requirements.

Gates Less Than 6-Ft. Height: Hot-Dip Galvanized. Gates 5 ft. high have tubular frames $1\frac{3}{8}$ in. O. D., weight 2.27 lbs. per lineal ft. Corner fittings, hinges and latch same type as gates 6 ft. high. Gates less than 5-ft. high have tubular frames $1\frac{3}{8}$ in. O. D., weight 1.67 lbs. per lineal ft. Equipped with ornamental scroll top and spring latch. (See details, Fig. No. 3, page 61).



Wrought Iron Double Gate. Standard width, 10 ft. May be hung on stone piers or tubular posts.

Cyclone Wrought Iron Gates are designed to harmonize perfectly with Safeguard Chain Link Fence. They combine unusual beauty with great strength. Double drive gates and walk gates are built in the same attractive designs in heights to match the fence.



Wrought Iron Walk Gate. Standard Architectural design. Built especially for use with Safeguard Chain Link Fence.

Cyclone Fence for City Residences



Plate 454

Majestic Chain Link Fence with Double Line Posts

SPECIFICATIONS

FABRIC, "Galv-After" Chain Link, No. 9 gauge Copper-Bearing steel wire, Heavily Zinc-Coated (or Hot-Galvanized) by Hot-Dipping Process AFTER Weaving; woven in a 2-in. mesh. Entrance gates are furnished to match fence.

End, gate and corner posts, "J", are of heavy tubular steel, $2\frac{1}{2}$ inches in diameter. Intermediate posts, "K", are made of two $1\frac{3}{8}$ in. heavy tubular steel uprights. Line posts set 24 in. deep in reinforced concrete foundations. End and corner posts set 30 in. deep in reinforced concrete foundations. Fabric passes between uprights and gives fence a finished appearance on each side.

Top rail is heavy tubular steel, $1\frac{3}{8}$ inches in diameter. Top cable is four strand heavily galvanized braided wire. Framework all heavily hot-dip galvanized. For Majestic Fence the height of the fabric is 6 in. less than height of the Complete Fence. Fabric furnished with top selvage knuckled finish; bottom selvage barbed. Furnished in 48 and 54 in. complete heights.



J



K

Cyclone Fence for City and Suburban Residences



Safeguard Chain Link Fence, with Ornamental Wrought Iron Gate

This fence is worthy of a "front" position on your grounds. The wrought iron gate shown is especially designed for use with the Chain Link fence. It brings a touch of the ornamental, that completes the installation.

SPECIFICATIONS

Standard Heights: 3½ and 4 ft.

Fabric: "Galv-after" Chain Link Copper-Bearing steel wire heavily Zinc Coated (or Hot Galvanized) AFTER weaving. No. 9 gauge wire woven into a 2 in. mesh. One edge barbed, one edge knuckled. We recommend knuckled edge be placed at top of fence dressed under top rail with barbed edge at bottom.

Line Posts: "F"—2 in. O.D. tubular Copper-Bearing steel, weight 2.72 lbs. per lineal foot. Hot-Dip Galvanized throughout, spaced in line of fence not farther apart than 10 ft. centers. Set 24 in. deep in reinforced concrete foundations.

End and Corner Posts: "J"—2 in. O.D. tubular Copper-Bearing steel, weight 2.72 lbs. per lineal foot. Hot-Dip Galvanized throughout. Set 30 in. deep in reinforced concrete foundations.

Gate Posts: "J"—2½ in. O.D. tubular Copper-Bearing steel, weight 3.65 lbs. per lineal foot. Hot-Dip Galvanized throughout.

Gates: Both walk and drive are Ornamental Wrought Iron. The finish is a high grade black paint over a first coat of pure iron oxide. If preferred Galvanized Chain Link gates, fig. 3 page 61, may be furnished.

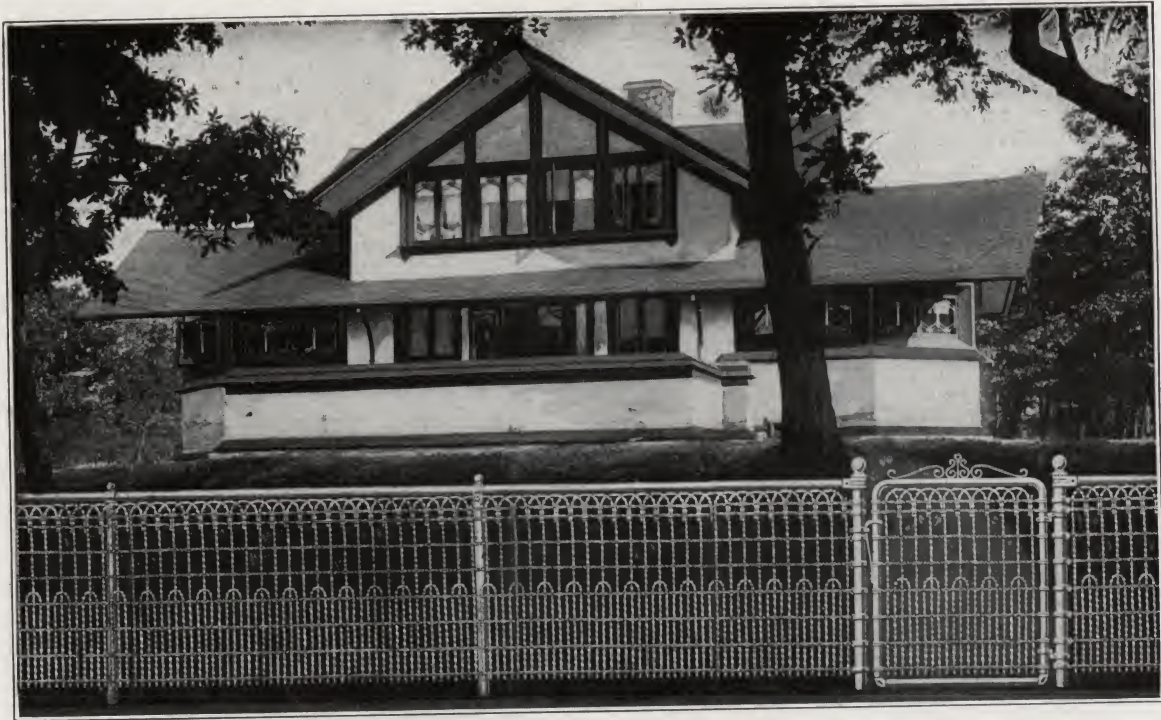
Top Rail: 1¾ in. O.D. tubular Copper-Bearing steel, weight 1.67 lbs. per lineal foot. Hot-Dip Galvanized. Equipped with expansion rail couplings.

Fittings: Hot-Dip Galvanized. All fittings used in connection with CYCLONE Safeguard fence are malleable, wrought iron, pressed steel or aluminum.

Diagram, Prices, Etc.: See page 64 for information.



Cyclone Fence for City and Suburban Residences



Colonial Fence and Style "F" Ornamental Fabric

SPECIFICATIONS

PICKETS are of heavy galvanized steel wire spaced 3-in. apart at top; $1\frac{3}{8}$ -in. apart at bottom. Style "S" or "L-Extra" fabric can also be used with Colonial construction. End, gate and corner posts, "J", and intermediate posts, "F", are of heavy 2-in. tubular steel. All line posts set 24 in. deep in reinforced concrete foundations, end, corner and gate posts set 30 in. deep in reinforced concrete foundations. Top rail is heavy tubular steel $1\frac{3}{8}$ -inches in diameter. Framework all heavily hot-dip galvanized. In Colonial Fence, the height of fence and height of fabric are the same. Furnished in 36-, 42-, 48-, and 54-inch heights.

A very pleasing and practical fence for front yards, back yards or division fence.



J



F

Cyclone Fence for City and Suburban Residences



Banner Fence with Style "L-Extra" Ornamental Fabric and Banner Drive Line Posts

SPECIFICATIONS

CYCLONE Banner Fence is a high grade, medium priced fence, with a wide range of adaptability. Furnished with 42- or 47-inch Style "L-Extra" or Style "F" Ornamental Fabric. End, corner and gate posts, heavy tubular Copper-Bearing steel $2\frac{1}{2}$ inches in diameter; fitted with ball tops; set 30 in. deep in reinforced concrete foundations. Line posts, Banner drive style; driven with ordinary steel sledge; hold firmly in ground; spaced 10 ft. apart. All posts Heavily Hot-Dip Galvanized. Fabric is attached to line posts by means of wire clamps. Braces, heavy tubular Copper-Bearing steel $1\frac{5}{8}$ in. outside diameter. Furnished for all end, corner and gate posts. Gates, either walk or double-drive, to match fence. See page 41 for Banner construction with Chain Link Fabric.



End,
Corner
and
Gate
Post



Banner
Drive
Line
Post

Cyclone Wrought Iron Fence and Gates

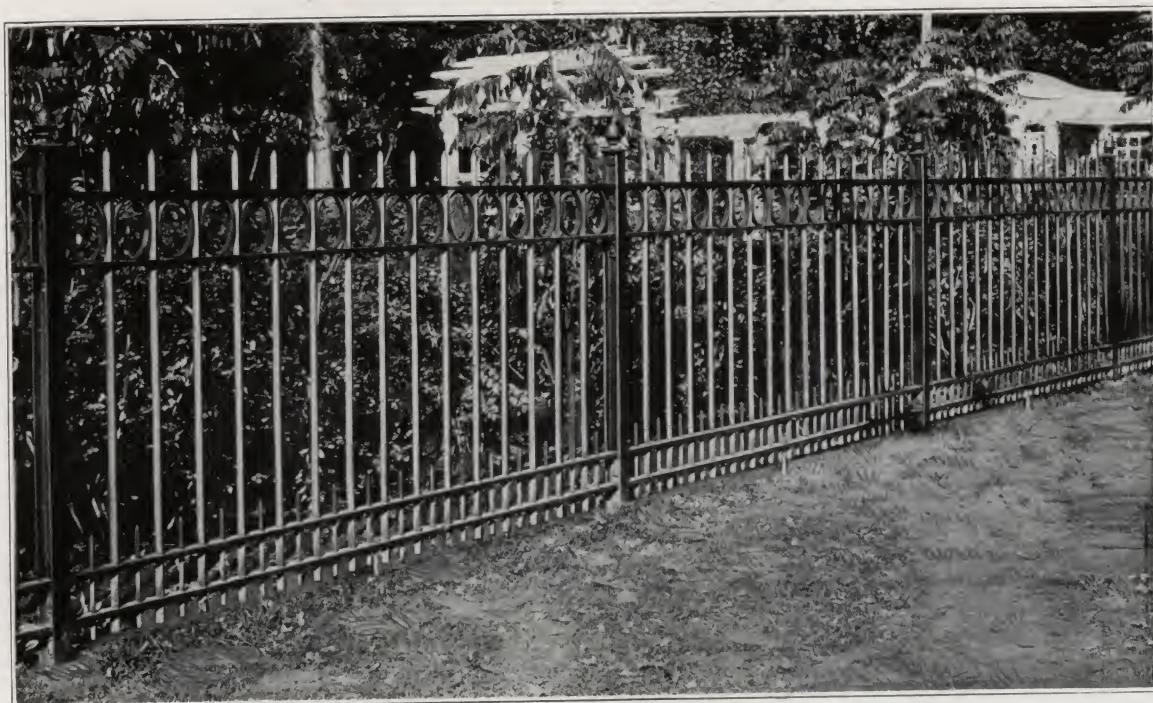


Plate 507

Architectural Design



Plate 508

Architectural Design Entrance

Cyclone Wrought Iron Fence and Gates Built in Special Designs from Architects' Drawings, when desired

Cyclone Wrought Iron Fence and Gates



Architectural Design

Plate 451



Architectural Design

Plate 450



Design No. 507 — Fence and Gate

Plate 452

Specifications for Standard Designs, Pages 62 and 63

Cyclone Wrought Iron Fence and Gates



Plate 501

Special Design — Angle Rail and Pickets

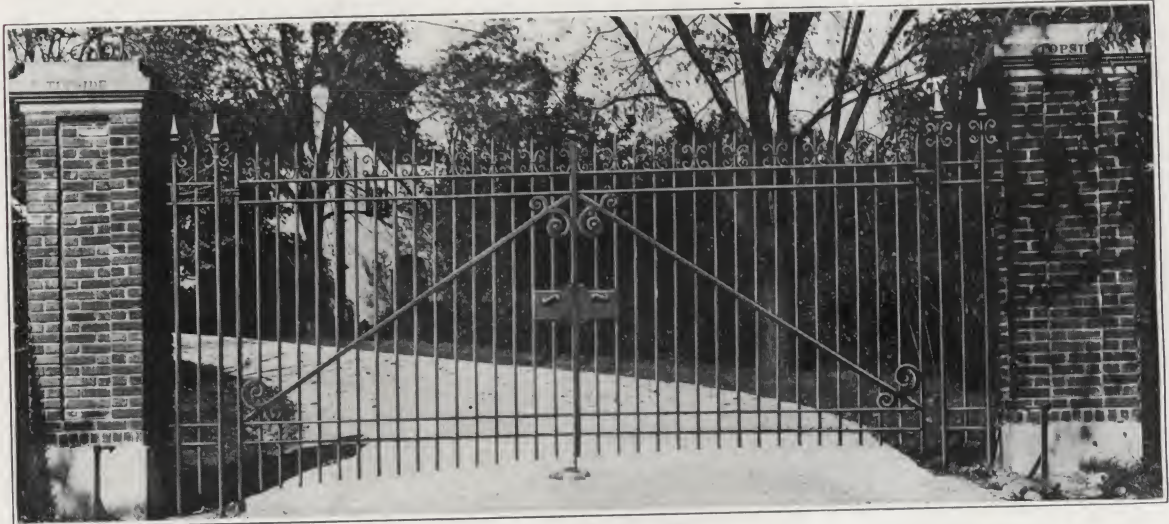


Plate 484

Architectural Design Entrance

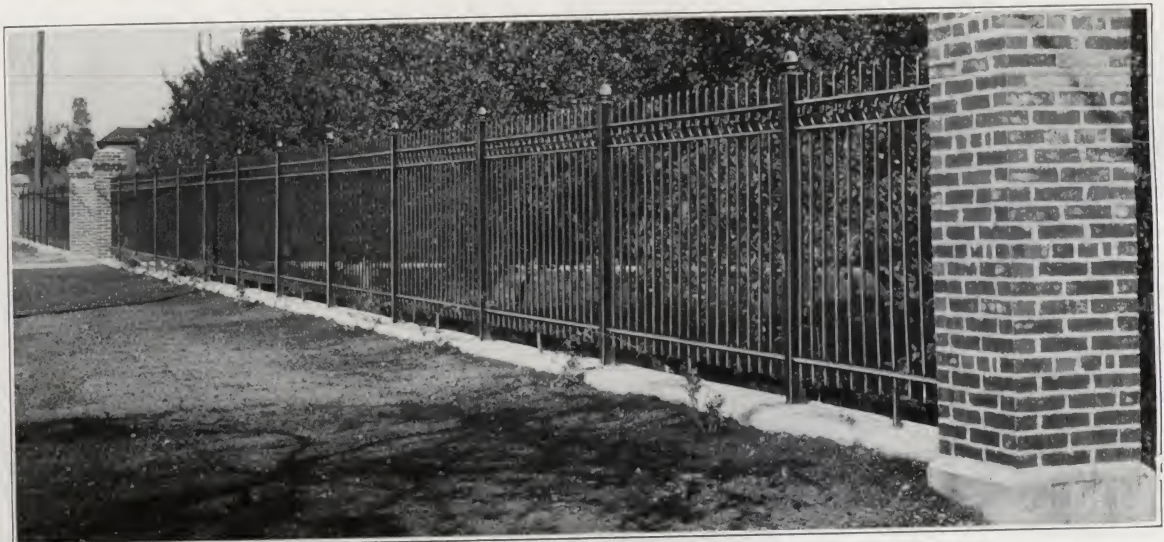


Plate 472

Design No. 508

Specifications for Standard Designs, Pages 62 and 63

SPECIFICATIONS

DETAILS OF
CONSTRUCTION
AND GENERAL
INFORMATION
ON CYCLONE
PROPERTY
PROTECTION
FENCE

Specifications Standard Construction Cyclone Invincible Chain Link Fence

Standard Height, 7 ft. Built in Heights up to and including 11 ft. In all Heights, Chain Link Fabric is 1 ft. less than Complete Height of Fence.

Fabric: "Galv-After" Chain Link Copper-Bearing Wire, Heavily Zinc Coated (or Hot Galvanized) by Hot-Dip Process AFTER Weaving. No. 9 or No. 6 gauge wire woven in a 2-in. mesh. On heights 5-ft. and over both edges of fabric have a twisted and barbed finish. On special heights 4-ft. and lower one edge has twisted and barbed finish; the other has knuckled finish.

Posts: Hot-Dip Galvanized; standard full weight tubular Copper-Bearing steel.

Line Posts: 2½ in. O.D., weight 3.65 lbs. per lineal ft.

End, Corner, Angle and Pull Posts: 3-in. O.D., weight 5.79 lbs. per lineal ft.

Swing Gate Posts: 3-in. O.D., weight 5.79 lbs. per lineal ft. are used for single swing gates up to and including 6-ft. opening and for double swing gates up to and including 12-ft. opening.

Swing Gate Posts: 4-in. O.D., weight 9.1 lbs. per lineal ft. are used for single swing gates wider than 6 ft. and up to and including 18-ft. opening; also for double swing gates wider than 12-ft. opening and up to and including 36-ft. opening.

Swing Gate Posts: 6⅝ in. O.D., weight 18.97 lbs. per lineal ft. are used for all single swing gates wider than 18-ft. opening and for all double swing gates wider than 36-ft. opening.

Slide Gate Posts: 4-in. O.D., weight 9.1 lbs. per lineal ft. are used for all slide gates up to 24-ft. opening.

Slide Gate Posts: 6⅝ in. O.D., weight 18.97 lbs. per lineal ft. are used for all slide gates wider than 24-ft. opening.

Post Spacing: Posts are spaced in line of fence not farther apart than 10 ft. centers.

Post Setting: All posts are set 36 inches in reinforced concrete base of proper size and shape as determined by our Engineering Department, so as to furnish a foundation and support sufficient to withstand any strain or shock ordinarily brought to bear on fence of this character. A liberal factor of safety is provided.

Extension Arms: Hot-Dip Galvanized. All intermediate posts fitted with Cyclone Invincible Extension Arms, made of pressed Copper-Bearing steel. All end and cor-

Specifications Standard Construction Cyclone Invincible Chain Link Fence

Continued

ner posts are fitted with heavy malleable iron Arms. Each Arm carries three barbed wires securely fastened. Topmost barbed wire 12 inches above the fabric and 12 inches in or out from the fence line as desired, and at an angle of 45 degrees. Vertical Arms can also be furnished, if desired. The base of these Arms fits into the post and a flange carries over the outside to cap the post against moisture.

Top Rail: Hot-Dip Galvanized. Tubular Copper-Bearing steel $1\frac{5}{8}$ in. O.D., weight 2.27 lbs. per lineal ft. Provided with expansion rail coupling. Top rail passes through base of extension arm and forms a continuous brace from end to end of each stretch of fence. Top rail is securely fastened to end, gate and corner posts by means of suitable malleable iron or pressed steel connections.

Braces: Hot-Dip Galvanized. End, gate and corner posts are suitably braced by means of tubular Copper-Bearing steel braces $1\frac{5}{8}$ in. O.D., weight 2.27 lbs. per lineal ft. Braces are spaced midway between top rail and ground and extend to the first line post. Braces are securely fastened to posts by means of malleable iron or pressed steel connections then trussed from line post back to end, gate or corner post.

Fittings: Hot-Dip Galvanized. All Fittings used in connection with Cyclone Invincible fencing and gates are malleable, wrought iron, pressed or aluminum.

Barbed Wire: Hot-Dip Galvanized. Of four point pattern, composed of two strands of No. $12\frac{1}{2}$ gauge Copper-Bearing wire with large barbs placed 3 inches apart.

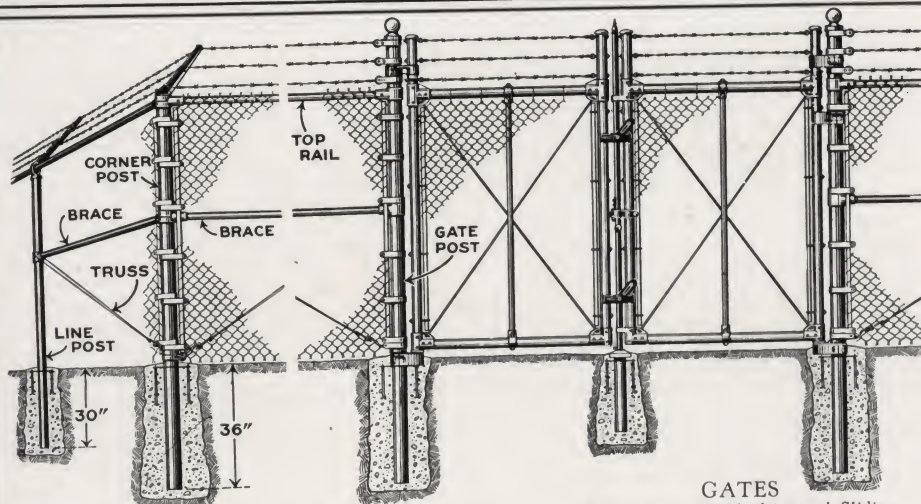
Fabric Bands: Aluminum. Fasten the fabric to line posts and top rail, spaced approximately 14 inches apart.

Finish: All materials entering into the construction of this fence, except aluminum bands, and heavily galvanized.

Diagram, Prices, Etc.: When writing for information, prices, etc., send simple diagram or layout of proposed fencing as explained on page 64. Give measurements of each stretch and total measurements. Indicate end, corner and gate posts, thus "O". State whether single or double swing, or sliding gates are wanted and give size of opening.

Note: All weights and dimensions are nominal and are taken from full standard weight schedule adopted by manufacturers. The permissible variation in specifications is 5% either way.

Details of Construction



GATE, CORNER AND BRACE POST CONSTRUCTION

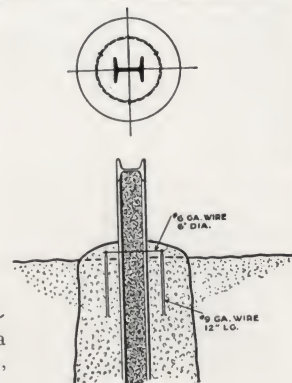
Posts: All set in reinforced concrete crowned at top above ground line.

Braces: All end, gate and corner posts are braced and trussed back with No. 6 heavy truss wire doubled.

Fabric: All straight stretches of Chain Link Fabric erected in one continuous piece of fence.

GATES
Walk, Single, Double-drive and Sliding. Frames 2-in. O. D. tubular Copper-Bearing Steel. Frames over 8 ft. wide trussed with 1 3/8-in. tubular Copper-Bearing Steel centerstay. Gates provided with 2 adjustable truss rods.

LATCHES
Special design, giving a positive latch, easily operated.



The feature of reinforcing the concrete footings is exclusive with Cyclone and adds great strength to the foundation, insuring a permanent capping to protect post at ground line.

CHAIN LINK FABRIC
Made of No. 9-, 6- and 11-gauge Copper-Bearing Steel Wire, in heights up to and including 10 ft.

Top selvage has twisted and barbed finish.

Bottom selvage has twisted and barbed finish.

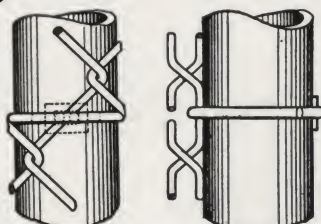
Top selvage has twisted and barbed finish.

FULL SIZE CHAIN LINK FABRIC

No. 9
Copper-Bearing
Wire
2-in. Mesh

FULL SIZE CHAIN LINK FABRIC

No. 6
Copper-Bearing
Wire
2-in. Mesh

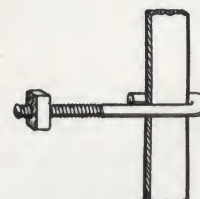


FABRIC Banded TO ALL POSTS

Fabric is locked securely to all intermediate posts by means of aluminum bands going around the post and securely fastening fabric to post. Bands are spaced about a foot apart on each post. Top of fabric is securely fastened to top rail of fence by means of bands placed about 14 inches apart.



Showing selvage with knuckled finish.

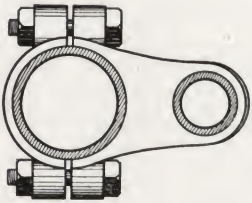
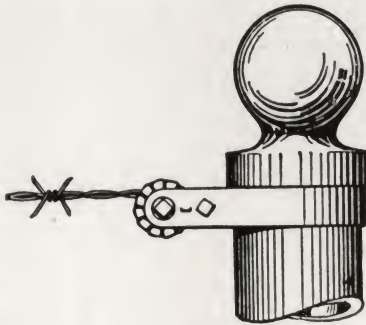


HOOK BOLT
Used for stretching fabric in gates.

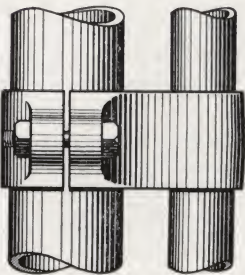
Cyclone Invincible Fence

RATCHETS FOR STRETCHING BARB WIRES

Placed only on gate posts
Provide means for stretching
tightly barbed wires
at top of fence.



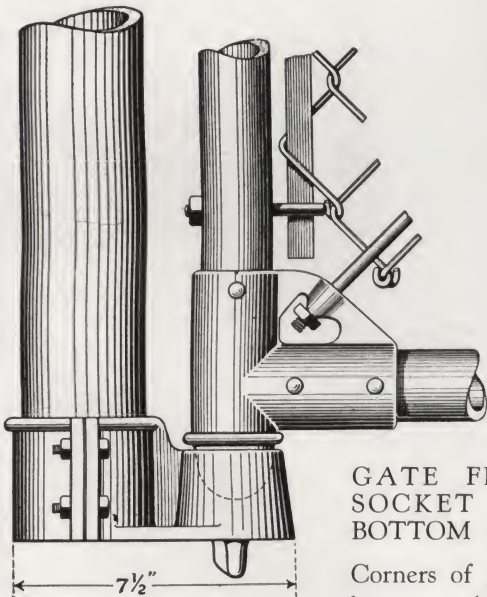
TOP GATE HINGE



INVINCIBLE EXTENSION ARMS

Used on intermediate posts.
Made of pressed Copper-Bearing Steel.

Carry three, 4-point barb wires
12 inches in or out
from fence line.

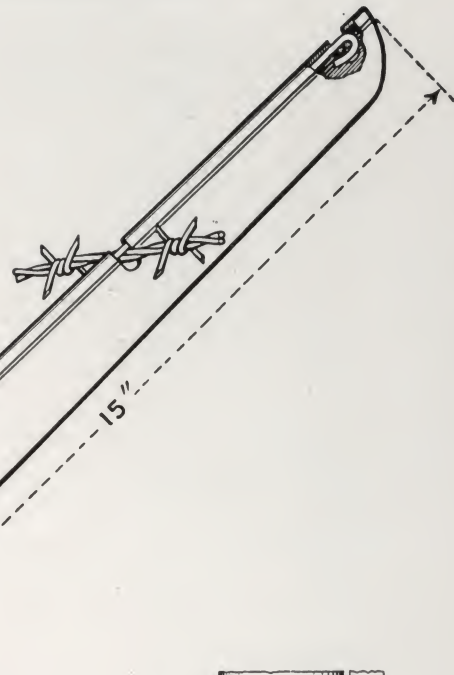


BOTTOM GATE HINGE

Made of heavy malleable iron.
Ample strong to stand the heavy
strain of swinging gates for all
opening sizes.

GATE FRAME AND SOCKET BALL FOR BOTTOM GATE HINGE

Corners of gates formed by
heavy malleable fittings.
Drawing shows socket ball
which rests in socket of bottom
gate hinge. This eliminates
strain of gate on gate
post and allows gate to be
operated easily.



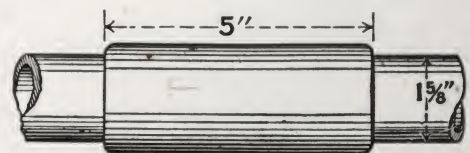
TRUSS TIGHTENER

Used to tighten two No. 6
truss wires at end, corner
and gate posts.

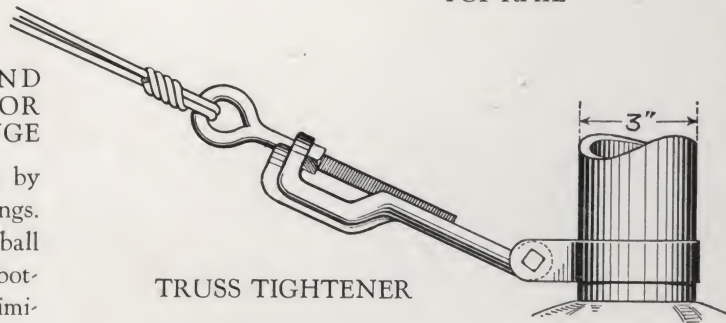


STRETCHER BAR BANDS

Fasten stretcher bars to end, gate
and corner posts. Maintain perfect
alignment of fabric.



EXPANSION SLEEVE
COUPLING FOR
TOP RAIL



Specifications Extra Heavy Construction Cyclone Invincible Chain Link Fence

2-inch "H" Column Line Posts

Standard Height 7 ft. Built in Heights up to and including 11 ft. In all Heights, Chain Link Fabric is 1 ft. less than Complete Height of Fence.

4-inch O. D. Extra Heavy Terminal Posts

Fabric: "Galv-After" Chain Link Copper-Bearing Wire, Heavily Zinc Coated (or Hot Galvanized) by Hot-Dip Process AFTER Weaving. No. 9 or No. 6 gauge wire woven in a 2-in. mesh. On heights 5-ft. and over both edges of fabric have a twisted and barbed finish. On special heights 4-ft. and lower one edge has twisted and barbed finish; the other has knuckled finish.

Line Posts: 2" H Column, weigh 4.03 lbs. per lineal ft.

End, Corner, Angle and Pull Posts: 3-in. O.D., weight 5.79 lbs. per lineal ft.

Swing Gate Posts: 3-in. O.D., weight 5.79 lbs. per lineal ft. are used for single swing gates up to and including 6 ft. opening and for double swing gates up to and including 12 ft. opening.

Swing Gate Posts: 4-in. O.D., weight 9.1 lbs. per lineal ft. are used for single swing gates wider than 6 ft. and up to and including 18 ft. opening; also for double swing gates wider than 12 ft. opening and up to and including 36 ft. opening.

Swing Gate Posts: 6 $\frac{5}{8}$ -in. O.D., weight 18.97 lbs. per lineal ft. are used for all single swing gates wider than 18 ft. opening and for all double swing gates wider than 36 ft. opening.

Slide Gate Posts: 4-in. O.D., weight 9.1 lbs. per lineal ft. are used for all slide gates up to 24 ft. opening.

Slide Gate Posts: 6 $\frac{5}{8}$ in. O.D., weight 18.97 lbs. per lineal ft. are used for all slide gates wider than 24-ft. opening.

Post Spacing: Posts are spaced in line of fence not farther apart than 10 ft. centers.

Post Setting: All posts are set 36 inches in reinforced concrete base of proper size and shape as determined by our Engineering Department, so as to furnish a foundation and support sufficient to withstand any strain or shock ordinarily brought to bear on fence of this character. A liberal factor of safety is provided.

Extension Arms: Hot-Dip Galvanized. All intermediate posts fitted with Cyclone Invincible

Extension Arms, made of pressed Copper-Bearing steel. All end and corner posts are fitted with heavy malleable iron Arms. Each Arm carries three barbed wires securely fastened. Topmost barbed wire 12 inches above the fabric and 12 inches in or out from the fence line as desired, and at an angle of 45 degrees. Vertical Arms can also be furnished, if desired. The base of these Arms fits into the post and a flange carries over the outside to cap the post against moisture.

Top Rail: Hot-Dip Galvanized. Tubular Copper-Bearing steel 1 $\frac{5}{8}$ in. O.D., weight 2.27 lbs. per lineal ft. Provided with expansion rail coupling. Top rail passes through base of extension arm and form a continuous brace from end to end of each stretch of fence. Top rail is securely fastened to end, gate and corner posts by means of suitable malleable iron or pressed steel connections.

Braces: Hot-Dip Galvanized. End, gate and corner posts are suitably braced by means of tubular Copper-Bearing steel braces 1 $\frac{5}{8}$ in. O.D., weight 2.27 lbs. per lineal ft. Braces are spaced midway between top rail and ground and extend to the first line post. Braces are securely fastened to posts by means of malleable iron or pressed steel connections then trussed from line post back to end, gate or corner post.

Fittings: Hot-Dip Galvanized. All Fittings used in connection with Cyclone Invincible fencing and gates are malleable, wrought iron, pressed steel or aluminum.

Barbed Wire: Hot-Dip Galvanized. Of four point pattern, composed of two strands of No. 12 $\frac{1}{2}$ gauge Copper-Bearing wire with large barbs placed 3 inches apart.

Fabric Bands: Aluminum. Fasten the fabric to line posts and top rail, spaced approximately 14 inches apart.

Finish: All materials entering into the construction of this fence, except aluminum bands, are heavily galvanized.

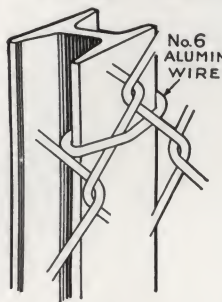
Diagram, Prices, Etc.: When writing for information, prices, etc., send simple diagram or layout of proposed fencing as explained on page 64. Give measurements of each stretch and total measurements. Indicate end, corner and gate posts, thus "O". State whether single or double swing, or sliding gates are wanted and give size of opening.



Top Finish of Extra Heavy Invincible Fence with "H" Column Line Post

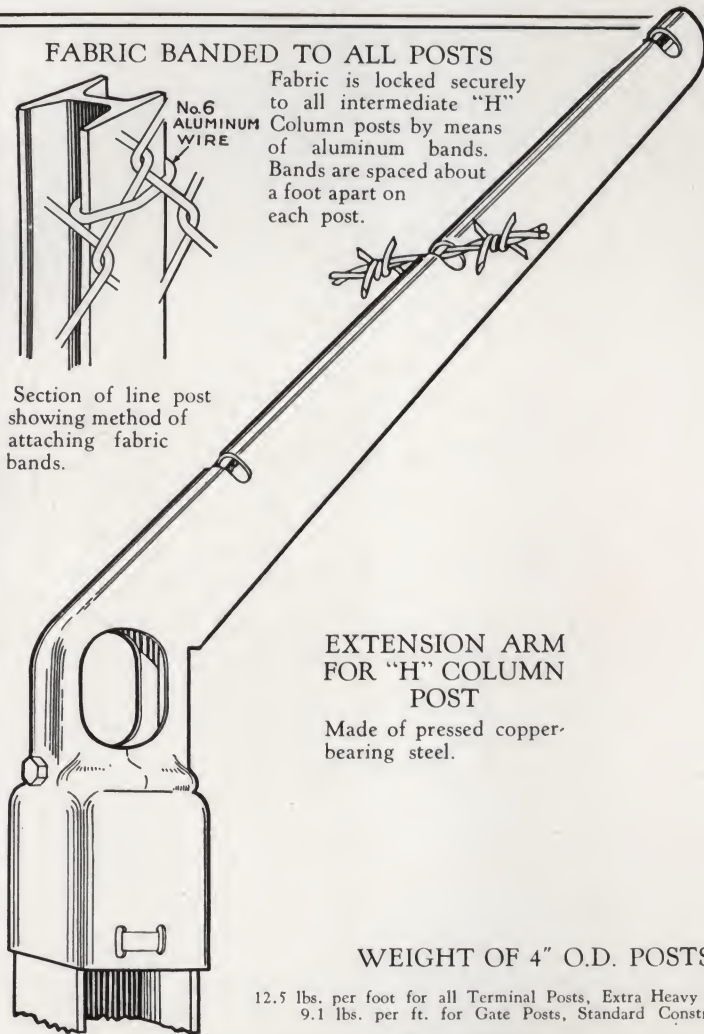
Note: All weights and dimensions are nominal and are taken from full standard weight schedule adopted by manufacturers. The permissible variation in specifications is 5% either way.

FABRIC BANDED TO ALL POSTS



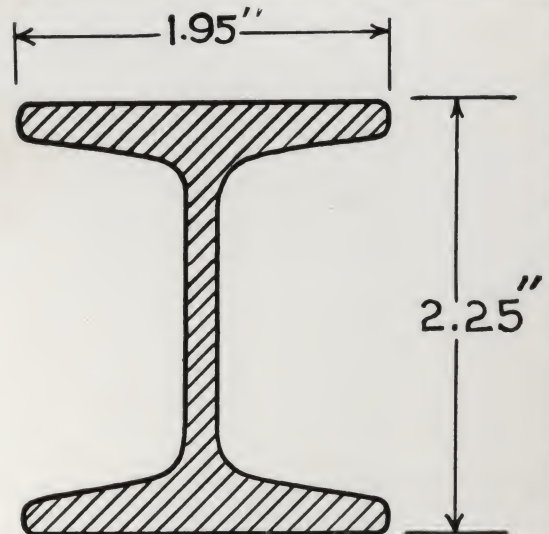
Fabric is locked securely to all intermediate "H" Column posts by means of aluminum bands. Bands are spaced about a foot apart on each post.

Section of line post showing method of attaching fabric bands.



EXTENSION ARM FOR "H" COLUMN POST

Made of pressed copper-bearing steel.

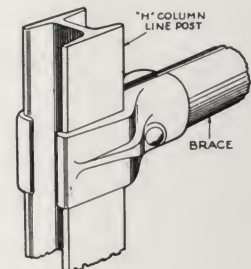


"H" COLUMN SECTION

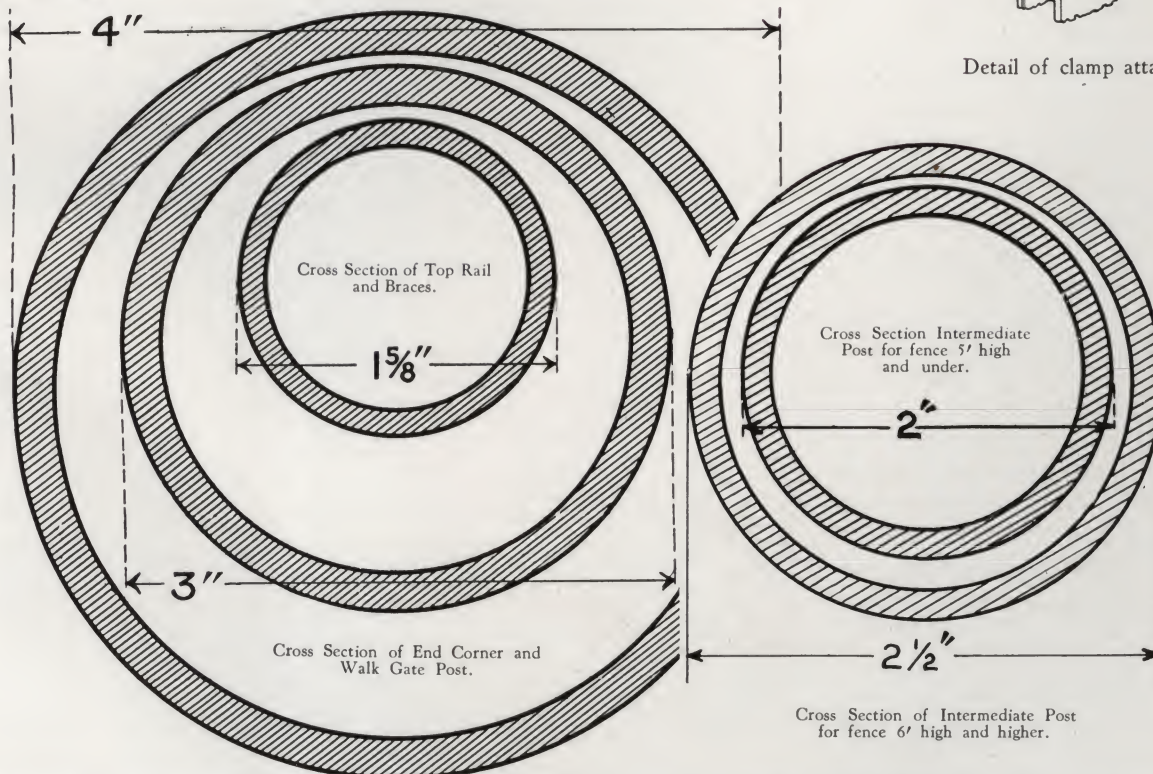
Sectional area, 1,186 sq. in.
Weight per foot, 4.03 lbs.

WEIGHT OF 4" O.D. POSTS

12.5 lbs. per foot for all Terminal Posts, Extra Heavy Construction.
9.1 lbs. per ft. for Gate Posts, Standard Construction.



Detail of clamp attachment.



Specifications Standard Construction Cyclone Safeguard Chain Link Fence

Standard Height, 6 ft. Built in Heights from 4 ft. up to and
Including 10 ft. Chain Link Fabric is Full Height of Fence.

Fabric: "Galv-After" Chain Link Copper-Bearing Wire Heavily Zinc Coated (or Hot Galvanized) By Hot-Dip Process AFTER Weaving. No. 9 or No. 6 gauge wire woven in a 2-in. mesh. On heights 5 ft. and over both edges of fabric have twisted and barbed finish. On heights 4-ft. and lower one edge has twisted and barbed finish, the other has knuckled finish. On fences 4-ft. and lower it is recommended that the knuckled edge be placed at top of fence dressed below top rail with the barbed edge at the bottom.

Posts: Hot-Dip Galvanized. Of standard full weight, tubular Copper-Bearing Steel.

Line Posts: 2½ in. O.D., weight 3.65 lbs. per lineal foot where fence is 6 ft. and over in height. Where fence is less than 6 ft. in height, line posts are 2-in. O.D. weight 2.72 lbs. per lineal ft.

End, Corner, Angle and Pull Posts: 3-in. O.D., weight 5.79 lbs. per lineal ft. where fence is 6 ft. and over in height. Where fence is less than 6 ft. in height, these posts are 2½ in. O.D., weight 3.65 lbs. per lineal ft.

Swing Gate Posts: 3-in. O.D., weight 5.79 lbs. per lineal ft. are used for single swing gates up to and including 6-ft. opening and for 12-ft. double swing where height of gate is 6 ft. or greater. Where height is under 6 ft. posts 2½ in. O.D., weight 3.65 lbs. per lineal ft. are used.

Swing Gate Posts: 4 in. O.D., weight 9.1 lbs. per lineal ft. are used for single swing gates wider than 6-ft. and up to and including 18-ft. opening and for double swing gates wider than 12-ft. opening and up to and including 36-ft. opening where height of gate is 6 ft. and over. Where the height is less than 6 ft. posts 3-in. O.D., weight 5.79 lbs. per lineal ft. are used.

Swing Gate Posts: 6⅝ in. O.D., weight 18.97 lbs. per lineal ft. are used for all swing gates wider than 18 ft. single or 36 ft. double.

Slide Gate Posts: 4-in. O.D., weight 9.1 lbs. per lineal ft. are used for slide gates up to 24-ft. width.

Slide Gate Posts: 6⅝ in. O.D., weight 18.97 lbs. per lineal ft. are used for all slide gates wider than 24 ft. opening.

Post Spacing: Posts are spaced in line of fence not farther apart than 10-ft. centers.

Depth of Post: Line posts for fence 4-ft. or lower are set 24 in. in reinforced concrete base; terminal posts

are set 30 inches in reinforced concrete base. In 5-ft. fence, line posts are set 30 inches in reinforced concrete base; terminal posts are set 36 inches in reinforced concrete base. In Cyclone Safeguard fence 6 ft. high and over all posts are set 36 inches in reinforced concrete base.

Post Settings: Reinforced Concrete post bases are of proper mixture, size and shape as determined by our Engineering Department, so as to furnish a foundation and support sufficient to withstand any strain or shock ordinarily brought to bear on fencing of this character. A liberal factor of safety is provided.

Post Tops: Hot-Dip Galvanized. All posts fitted with heavy ornamental ball post tops of malleable iron. The base of these tops fits into the post and a flange carries over the outside to cap the post against moisture.

Top Rail: Hot-Dip Galvanized. Tubular Copper-Bearing steel 1⅝ in. O.D., weight 2.27 lbs. per lineal ft. Provided with expansion rail coupling. Top rail passes through post tops and forms a continuous brace from end to end of each stretch of fence. Top rail is securely fastened to end, gate and corner posts by means of suitable malleable iron or pressed steel connections.

Braces: Hot-Dip Galvanized. End, gate and corner posts are suitably braced by means of tubular Copper-Bearing steel braces 1⅝ in. O.D., weight 2.27 lbs. per lineal ft. Braces are spaced midway between top rail and ground and extend to the first line post. Braces are securely fastened to posts by means of malleable iron or pressed steel connections then trussed from line post back to end, gate or corner post.

Fittings: Hot-Dip Galvanized. All fittings used in connection with Cyclone Safeguard fencing and gates are malleable, wrought iron, pressed steel or aluminum.

Fabric Bands: Aluminum. Fasten the fabric to line posts and top rail, spaced approximately 14 inches apart.

Finish: All materials entering into the construction of this fence, except aluminum bands, are heavily galvanized.

Diagram, Prices, Etc.: When writing for information, prices, etc., send simple diagram or layout of proposed fencing as explained on page 64. Give measurements of each stretch and total measurements. Indicate end, corner and gate posts, thus "O". State whether single or double swing, or sliding gates are wanted and give size of opening.

Note:—All weights and dimensions are nominal and are taken from full standard weight schedule adopted by manufacturers. The permissible variation in specifications is 5% either way.



Top Finish of Safeguard Fence

Specifications Standard Construction Cyclone Non-Climbable Chain Link Fence

Standard Height 7 ft. Built in Heights up to and Including 11 ft. In all Heights, Chain Link Fabric is 1 ft. less than complete Height of Fence.

Fabric: "Galv-After" Chain Link Copper-Bearing Wire, Heavily Zinc Coated (or Hot Galvanized) by Hot-Dip Process AFTER Weaving. No. 9 or No. 6 gauge wire woven in a 2-in. mesh. On special heights 5-ft. and over both edges of fabric have twisted and barbed finish. On special heights 4-ft. and lower one edge has twisted and barbed finish, the other has knuckled finish.

Posts: Hot-Dip Galvanized; standard full weight tubular, Copper-Bearing steel.

Line Posts: 2½ in. O.D., weight 3.65 lbs. per lineal ft.

End, Corner, Angle and Pull Posts: 3-in. O.D., weight 5.79 lbs. per lineal ft.

Swing Gate Posts: 3-in. O.D., weight 5.79 lbs. per lineal ft. are used for single swing gates up to and including 6-ft. opening and for double swing gates up to and including 12-ft. opening.

Swing Gate Posts: 4-in. O.D., weight 9.1 lbs. per lineal ft. are used for single swing gates wider than 6 ft. and up to and including 18-ft. opening; also for double swing gates wider than 12-ft. opening and up to and including 36-ft. opening.

Swing Gate Posts: 6⅝ in. O.D., weight 18.97 lbs. per lineal ft. are used for all single swing gates wider than 18-ft. opening and for all double swing gates wider than 36-ft. opening.

Slide Gate Posts: 4-in. O.D., weight 9.1 lbs. per lineal ft. are used for all slide gates up to 24-ft. opening.

Slide Gate Posts: 6⅝ in. O.D., weight 18.97 lbs. per lineal ft. are used for all slide gates wider than 24-ft. opening.

Post Spacing: Posts are spaced in line of fence not farther apart than 10-ft. centers.

Post Setting: All posts are set 36 inches in reinforced concrete base of proper size and shape as determined by our Engineering Department, so as to furnish a foundation and support sufficient to withstand any strain or shock ordinarily brought to bear on fence of this character. A liberal factor of safety is provided.

Extension Arms: Hot-Dip Galvanized. All intermediate posts are fitted with Non-Climbable Extension Arms made of pressed Copper-Bearing Steel securely riveted to heavy malleable iron base. All end and corner posts are fitted with heavy mal-

leable iron Arms. These Arms carry five strands of barbed wire, the topmost barb approximately 12 inches above top rail. Bottom barb wires overhang 9½ in. each way from center of fence. The base of these Arms fits into the post and a flange carries over the outside to cap the post against moisture.

Top Rail: Hot-Dip Galvanized. Tubular Copper-Bearing steel 1⅝ in. O.D., weight 2.27 lbs. per lineal ft. Provided with expansion rail coupling. Top rail passes through base of extension arm and forms a continuous brace from end to end of each stretch of fence. Top rail is securely fastened to end, gate and corner posts by means of suitable malleable iron or pressed steel connections.

Braces: Hot-Dip Galvanized. End, gate and corner posts are suitably braced by means of tubular Copper-Bearing steel braces 1⅝ in. O.D., weight 2.27 lbs. per lineal ft. Braces are spaced midway between top rail and ground and extend to the first line post. Braces are securely fastened to posts by means of malleable iron or pressed steel connections then trussed from line post back to end, gate or corner post.

Fittings: Hot-Dip Galvanized. All Fittings used in connection with Cyclone Non-Climbable fencing and gates are malleable, wrought iron, pressed steel or aluminum.

Barbed Wire: Hot-Dip Galvanized. Of four point pattern, composed of two strands of No. 12½ gauge Copper-Bearing wire with large barbs placed 3 inches apart.

Fabric Bands: Aluminum. Fasten the fabric to line posts and top rail, spaced approximately 14 inches apart.

Finish: All materials entering into the construction of this fence, except aluminum bands, are heavily galvanized.

Diagram, Prices, Etc.: When writing for information, prices, etc., send simple diagram or layout of proposed fencing as explained on page 64. Give measurements of each stretch and total measurements. Indicate end, corner and gate posts, thus "O". State whether single or double swing, or sliding gates are wanted and give size of opening.

Note—All weights and dimensions are nominal and are taken from full standard weight schedule adopted by manufacturers. The permissible variation in specifications is 5% either way.



Top Finish of Non-Climbable Fence

Specifications Standard Construction Cyclone Tennis Court Enclosures and Back Stops

Standard Height: 10 ft. for Enclosure or Back Stops

Fabric: "Galv-After" Chain Link, Heavily Zinc Coated (or Hot-Galvanized) by Hot-Dip Process AFTER Weaving. No. 11 gauge Copper-Bearing steel wire woven in a $1\frac{3}{4}$ -in mesh. Top and bottom selvages of fabric have knuckled finish. For Enclosures and Back Stops

8 and 10 ft. in height the fabric is furnished in one width. For 12 ft. and higher the fabric is furnished in two widths.

Posts: Hot-Dip Galvanized. Of standard full weight tubular Copper-Bearing Steel.

Line Posts: 2-in. O.D., weight 2.72 lbs. per lineal ft.

End, Corner and Gate Posts: $2\frac{1}{2}$ in. O.D., weight 3.65 lbs. per lineal ft.

Depth of Posts: All posts are set 36 inches in reinforced concrete base.

Post Settings: Reinforced concrete post bases are of proper mixture, size and shape as determined by our Engineering Department to furnish a foundation and support sufficient to withstand any strain or shock ordinarily brought to bear on fencing of this character. A liberal factor of safety is provided.

Post Tops: Hot-Dip Galvanized. All posts fitted with heavy ornamental ball post tops of malleable iron. The post top base fits into post and a flange carries over the outside to cap post against moisture.

Top Rail: Hot-Dip Galvanized. Tubular Copper-Bearing steel $1\frac{3}{8}$ in. O.D., weight 1.67 lbs. per lineal ft. Provided with malleable expansion rail couplings. Top rail passes through post tops and forms a continuous brace from end to end of each section of fence. Top rail is securely fastened to end, corner and gate posts by suitable malleable or pressed steel clamps.

Braces: Hot-Dip Galvanized. End, gate and corner posts are suitably braced by means of tubular Copper-Bearing steel braces $1\frac{3}{8}$ in. O.D., weight 1.67 lbs. per lineal ft. Braces are spaced midway between top rail and

ground and extend to the first line post. Braces are securely fastened to posts by means of malleable iron or pressed steel connections then trussed from line post back to end, gate or corner post.

Fittings: Hot-Dip Galvanized. All fittings used in connection with

Cyclone Tennis Court fencing and gates are malleable, wrought iron, pressed steel or aluminum.

Fabric Bands: Aluminum. Fasten the fabric to line posts and top rail, spaced approximately 14 inches apart.

Finish: All materials entering into the construction of this fence, except aluminum bands are galvanized.

Diagram, Prices, Etc.: When writing for information, prices, etc., send simple diagram as indicated below. Give measurements of each stretch and total measurements. Indicate end, corner and gate posts, thus "O", State whether single or double swing gates are wanted and give size of opening.

Gates For Tennis Court Enclosure: Hot-Dip Galvanized. Frames tubular Copper-Bearing steel $1\frac{3}{8}$ in. O.D., weight 1.67 lbs. per lineal ft. Fabric is same as used in enclosure. Gate is set into fence line with 7-ft. overhead clearance. Fittings throughout are heavy malleable iron. Gate is amply braced and trussed. Equipped with spring latch. Standard width for walk gates, $3\frac{1}{2}$ ft. opening; for double-drive gates, 8- and 10-ft. opening.

Cyclone Tennis Court Net Posts, Heavy Tubular Steel with Ratchet on one Post

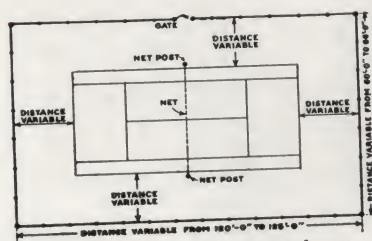
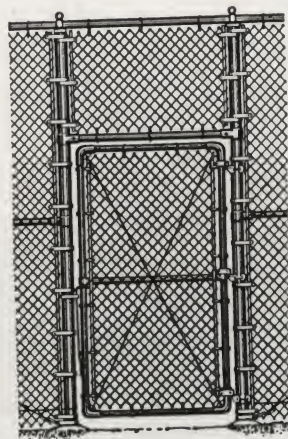


Diagram Tennis Court Enclosure



Gate Used With Cyclone Tennis Court Enclosure

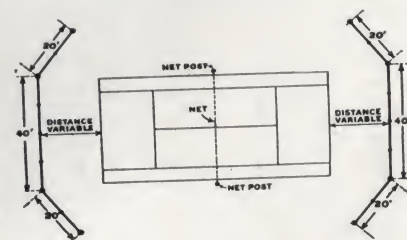


Diagram Tennis Court Back Stops

Cyclone Walk Gates for Use with Various Styles of Cyclone Fence

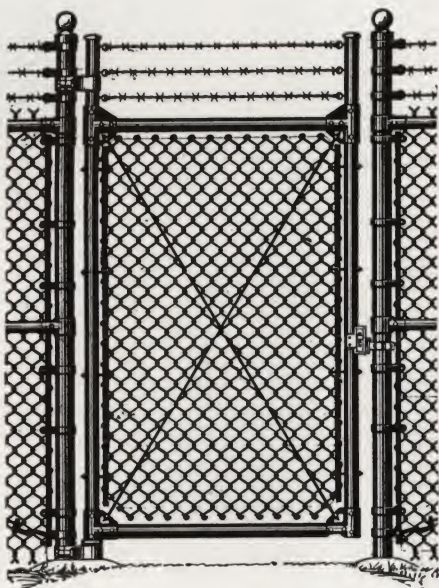


Fig. No. 1
Walk Gate used with Cyclone
Invincible and Non-Climb-
able Fence. "Ball and Sock-
et" Hinge. Lift Latch.

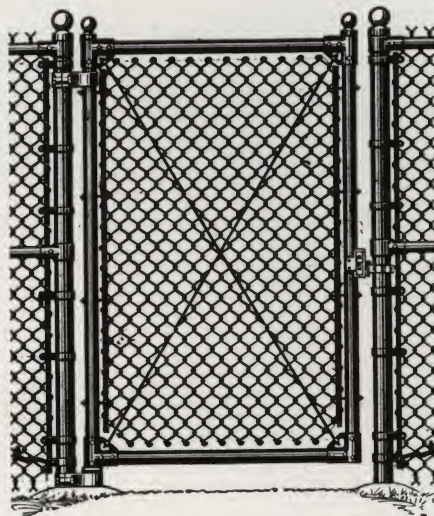


Fig. No. 2
Walk Gate used with Cyclone
Safeguard Fence. "Ball and
Socket" Hinge. Lift Latch.

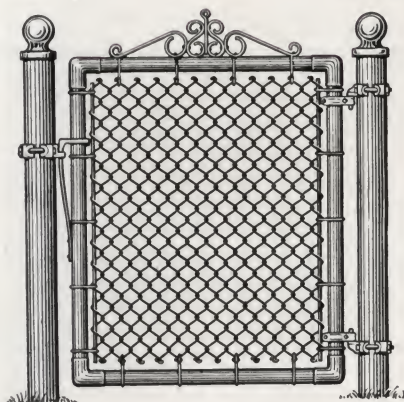


Fig. No. 3
Ornamental Walk Gate furnished
with lower heights of Safeguard
Fence. Scroll top; equipped with
Spring Latch.



Fig. No. 4
Iron Walk Gate. Design 508.

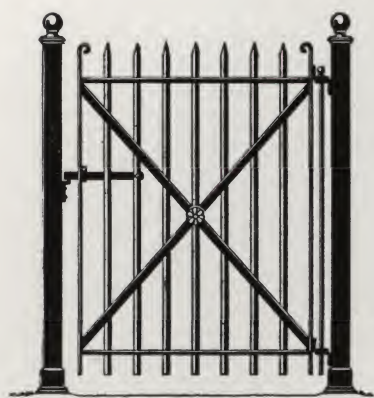
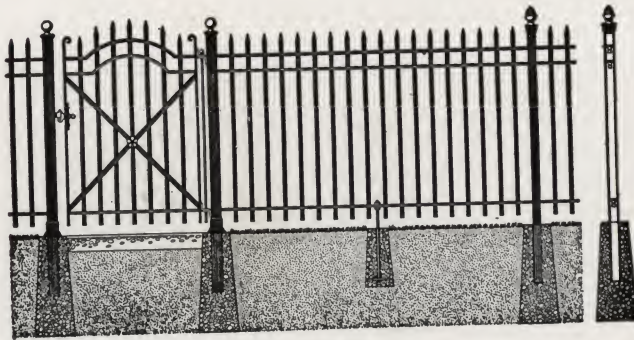


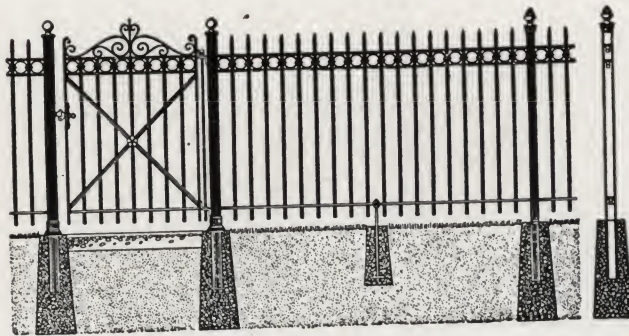
Fig. No. 5
Iron Walk Gate. Design 509.

Specifications Cyclone Wrought Iron Fence



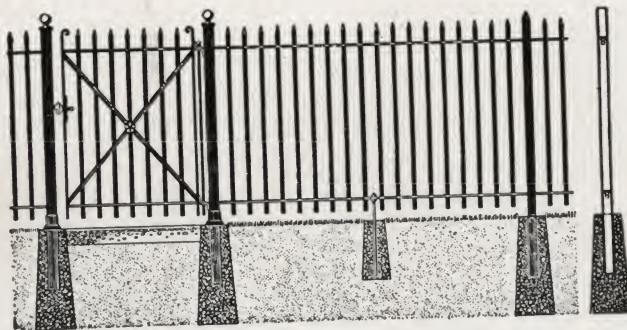
Standard Design No. 507

A particularly graceful pattern. Very durable and will stand hard usage. Style No. 53 Gate Posts and style "E" Line Posts are shown.



Standard Design No. 508

Bordering on the ornamental, this pattern serves a useful purpose in affording an iron fence at a moderate price, that is not too plain. When erected, its beauty becomes at once evident and imparts a pleasing and finished appearance to premises. Style No. 53 Gate Posts and style "E" Line Posts are shown.



Standard Design No. 509

Purposely lacking any element of ornamentation, this pattern constitutes a practical, good looking fence for many purposes. It is durable, and can be depended upon to give permanent service. Style No. 53 Gate Posts and style "F" Line Posts are shown.

SPECIFICATIONS

- 507 A — $\frac{1}{2}$ -inch Square Pickets, spaced 4 inches on centers. $1\frac{1}{2}$ x $\frac{1}{2}$ -inch Heavy Channel Rail. Height from ground, when set, 37, 42 and 48 inches.
- 507 B — $\frac{5}{8}$ -inch Square Pickets, spaced 5 inches on centers. $1\frac{1}{2}$ x $\frac{1}{2}$ -inch Heavy Channel Rail. Height from ground, when set, 37, 42, 48, 54 and 60 inches.
- 507 C — $\frac{3}{4}$ -inch Square Pickets, spaced 5 inches on centers. 2 x $\frac{5}{8}$ -inch Heavy Channel Rail. Height from ground, when set, 37, 42, 48, 54, 60 and 72 inches.

When writing for prices send diagram as explained on page 64.

SPECIFICATIONS

- 508 A — $\frac{1}{2}$ -inch Square Pickets, spaced 4 inches on centers. $1\frac{1}{2}$ x $\frac{1}{2}$ -inch Heavy Channel Rail. Height from ground, when set, 37, 42 and 48 inches.
- 508 B — $\frac{5}{8}$ -inch Square Pickets, spaced 5 inches on centers. $1\frac{1}{2}$ x $\frac{1}{2}$ -inch Heavy Channel Rail. Height from ground, when set, 37, 42, 48, 54 and 60 inches.
- 508 C — $\frac{3}{4}$ -inch Square Pickets, spaced 5 inches on centers. 2 x $\frac{5}{8}$ -inch Heavy Channel Rail. Height from ground, when set, 37, 42, 48, 54, 60 and 72 inches.

When writing for prices send diagram as explained on page 64.

SPECIFICATIONS

- 509 A — $\frac{1}{2}$ -inch Square Pickets, spaced 4 inches on centers. $1\frac{1}{2}$ x $\frac{1}{2}$ -inch Heavy Channel Rail. Height from ground, when set, 37, 42 and 48 inches.
- 509 B — $\frac{5}{8}$ -inch Square Pickets, spaced 5 inches on centers. $1\frac{1}{2}$ x $\frac{1}{2}$ -inch Heavy Channel Rail. Height from ground, when set, 37, 42, 48, 54 and 60 inches.
- 509 C — $\frac{3}{4}$ -inch Square Pickets, spaced 5 inches on centers. 2 x $\frac{5}{8}$ -inch Heavy Channel Rail. Height from ground, when set, 37, 42, 48, 54, 60 and 72 inches.

When writing for prices send diagram as explained on page 64.

Cyclone Wrought Iron Fence is built in any height and of any size materials. Blue prints and specifications furnished on request.

Wrought Iron Gates are built in any height and width of any size materials. Blue prints and specifications furnished on request.

Posts Used in Cyclone Wrought Iron Fence

End, Corner, and Gate Posts



Post
No. 50



Post
No. 51



Post
No. 52



Post
No. 53



Post
No. 55

POST NO. 50—1-inch square solid steel. Pointed top. Adaptable to fences up to 60 inches in height.

POST NO. 51—1-inch square solid steel, with wrought malleable top as shown. For fences up to 60 inches in height.

POST NO. 52—A built-up post with square solid steel upright members and wrought malleable top, bands and base plate. Base plate and bands 6 inches square for standard heights up to 60 inches.

POST NO. 53—Steel tubing 2-1/2 or 3-inch square ornamental

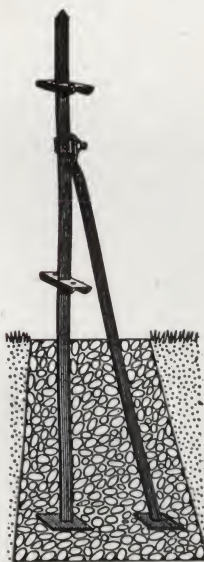
with cast iron ball top; also flange base if required. For use with any height fence listed.

POST NO. 55—Cast iron. Extra heavy walls. Cast in one piece including base. Posts for fences 4 to 6-ft. high are 6 inches square at base. For fences 6-ft. to 8-ft. high are 8 inches square at base. For fences 8-ft. to 10-ft. high are 12 inches at base.

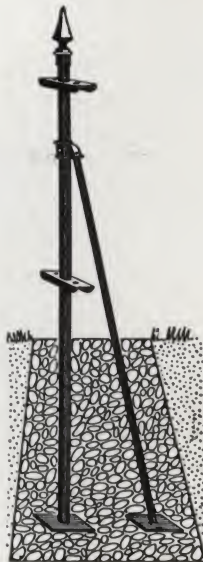
All posts are built to extend 36 inches below grade.

All of the above posts are provided with proper bases for earth or concrete setting; cuts show posts to grade line only.

Line Posts



Style "C"
Line Post



Style "D"
Line Post



Style "E"
Line Post



Style "F"
Line Post

STYLE "C" LINE POSTS: For fences up to and including 48 inches in height; made of 1-1/2 x 3/8-inch flat steel with sheared top. Furnished with steel back-brace and foot plates. The line post is generally used with the lower height fences and lighter weight pickets, replacing style "E" or "F".

STYLE "D" LINE POSTS: For heavier and higher fences. Made of 1-inch square solid steel with pointed top, or ornamented with wrought malleable top as shown. Furnished with steel back-brace and foot plates. When desired this line post can be used on all styles of Cyclone Wrought Iron Fence instead of posts "E" or "F".

STYLE "E" LINE POST: Standard for fences over 48 inches in height. It is a structural section, 3-inch "I" Beam requiring no back brace. Furnished with cast iron ornamental top.

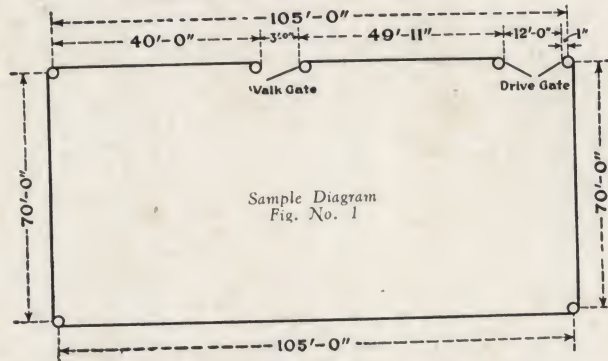
STYLE "F" LINE POST: Same as style "E" except that it has a sheared top.

The foregoing recommendations regarding the use of line posts are the result of our experience in manufacturing and installing high grade wrought iron fences. However, these posts are interchangeable, and if your fencing conditions are different, any combination of panels and posts will be arranged to suit your requirements.

How To Make Diagram, and Information We Require for Building Fence

IN making your diagram for fence, indicate the fence by straight lines, and the gates by openings. See diagram, Fig. No. 1. Indicate end, corner and gate posts thus 'O'. Give width of gate openings. For drive gates, state whether single or double gates are wanted. Give exact measurement of each stretch of fence, and total measurements, including gate openings. Use care to see that all measurements are correct, as the fence will be made up according to the diagram sent us. Mention height and style of fence. If fence is to be built on wall or curb, give full details. State whether wall or curb is built, or will be built when fence is erected, in order that posts of proper length can be furnished. State height and width, also material of which wall is constructed. Specify whether gates shall be height of fence only, or total height of fence plus the height of wall or curb.

Cyclone Fence will conform to any ordinary grade. If grade is extreme, it should be shown as indicated by diagram, Fig. No. 2.



A National Fencing Service

THE Cyclone Fence Company is a national organization, the largest in the world devoted exclusively to the manufacture of Property Protection Fencing and Gates.

Eight modern plants located strategically across the continent not only afford fence service that is quickly available anywhere but place the production of fence on a volume basis. The saving and economy in manufacturing thus effected make possible the superior quality of Cyclone Fence and Service.

These advantages, together with sales offices and representatives throughout the country, insure Cyclone customers Fence Service that is complete, prompt and reliable.

Cyclone Fence Service is an engineering and installation service specialized to the minutest detail. It is based on the knowledge gained in building and installing fence for every purpose; it is capable of solving any fencing problem.

Estimates and Quotations

On request, trained representative will gladly render advisory service. The benefit of this company's years of fence building experience is at the disposal of prospective fence purchasers.

The Cyclone Fence Company will determine your fencing requirements; prepare layout of proposed fencing and submit estimate of cost without charge or obligation.

We recommend that purchasers utilize the services of Cyclone construction superintendents who are furnished at reasonable charge to supervise erection of fence.



CYCLONE FENCE COMPANY

Sales Offices

TULSA, OKLA.
912 Mayo Bldg.
DETROIT, MICH.
221 Minnie St.
ATLANTA, GA.
P. O. Box 1917
CINCINNATI, OHIO
P. O. Box 1, Sta. O.
SYRACUSE, N. Y.
405 N. Lowell Ave.
MILWAUKEE, WIS.
1003 Trust Co. Bldg.
WISCONSIN and E. Water St.
BUFFALO, N. Y.
635 Genesee St.
YOUNGSTOWN, OHIO
P. O. Box 401

BOSTON, MASS.
22 Kent St. (Somerville)
PROVIDENCE, R. I.
136 W. Exchange St.
INDIANAPOLIS, IND.
24th & Yandes
PITTSBURGH, PA.
Galveston Ave. & Behan St.
CHARLOTTE, N. C.
P. O. Box 1044
KANSAS CITY, MO.
1202 Commerce Bldg.
HOUSTON, TEXAS
P. O. Box 1364

TOLEDO, OHIO
1912 Linwood Ave.
OSHKOSH, WIS.
P. O. Box 299
PHILADELPHIA, PA.
4856 Lancaster Ave.
DALLAS, TEXAS
400 Fitzhugh Ave.
BALTIMORE, MD.
7 St. Paul St.
MINNEAPOLIS, MINN.
531 S. Seventh St., South
MINEOLA, N. Y.
222 Jericho Turnpike

HARTFORD, CONN.
P. O. Box 862
ST. LOUIS, MO.
1227 Washington Ave.
DAVENPORT, IOWA
P. O. Box 585
MT. VERNON, N. Y.
10½ Prospect Ave.
JACKSONVILLE, FLA.
402 Masonic Temple Bldg.
GRAND RAPIDS, MICH.
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